

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082218\
 Data File : VN050812.D
 Acq On : 22 Aug 2018 12:10
 Operator : MD\SY
 Sample : VN0822MBS01
 Misc : 5.00µg/10µL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822MBS01

Manual Integrations
 APPROVED

MMDadoda
 8/23/2018 10:52:30 AM

Quant Time: Aug 23 01:20:42 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	604615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	877665	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	791897	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	393618	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	371723	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	
35) Dibromofluoromethane	7.59	113	349677	50.08	ug/l	0.00
Spiked Amount			Recovery	=	100.16%	
50) Toluene-d8	10.09	98	1309910	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	
62) 4-Bromofluorobenzene	12.40	95	416123	47.97	ug/l	0.00
Spiked Amount			Recovery	=	95.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	183053	22.62	ug/l	100
3) Chloromethane	2.06	50	197919	19.83	ug/l	100
4) Vinyl Chloride	2.18	62	198078	20.95	ug/l	99
5) Bromomethane	2.57	94	111986	20.21	ug/l	98
6) Chloroethane	2.70	64	110906	20.30	ug/l	100
7) Trichlorofluoromethane	3.01	101	253854	20.97	ug/l	99
8) Diethyl Ether	3.41	74	84080	20.43	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	157030	20.76	ug/l	100
10) Methyl Iodide	3.95	142	111241	20.97	ug/l	98
11) Tert butyl alcohol	4.80	59	47374	102.21	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	139869	20.60	ug/l	99
13) Acrolein	3.61	56	24633	102.40	ug/l	99
14) Allyl chloride	4.32	41	210870	19.93	ug/l	98
15) Acrylonitrile	4.99	53	245758	104.33	ug/l	99
16) Acetone	3.82	43	174759	97.07	ug/l	99
17) Carbon Disulfide	4.05	76	437924	19.24	ug/l	98
18) Methyl Acetate	4.33	43	138907	20.21	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	358318	20.98	ug/l	99
20) Methylene Chloride	4.55	84	162584	19.82	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	149031	20.29	ug/l	99
22) Diisopropyl ether	5.96	45	451519	21.41	ug/l	98
23) Vinyl Acetate	5.90	43	1426756	105.06	ug/l	100
24) 1,1-Dichloroethane	5.85	63	279360	20.63	ug/l	100
25) 2-Butanone	6.84	43	271713	92.63	ug/l	98
26) 2,2-Dichloropropane	6.83	77	219005	20.13	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	163165	20.61	ug/l	99
28) Bromochloromethane	7.20	49	106696	18.55	ug/l	99
29) Tetrahydrofuran	7.22	42	179003	106.44	ug/l	100
30) Chloroform	7.37	83	278896	20.80	ug/l	99
31) Cyclohexane	7.66	56	244017	20.11	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	236580	20.55	ug/l	100
36) 1,1-Dichloropropene	7.79	75	209417	20.22	ug/l	100
37) Ethyl Acetate	6.93	43	125420	21.08	ug/l	98
38) Carbon Tetrachloride	7.77	117	212650	20.31	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	215627	19.24	ug/l	100
40) Benzene	8.04	78	639952	20.49	ug/l	99
41) Methacrylonitrile	7.18	41	63850	19.83	ug/l	95
42) 1,2-Dichloroethane	8.13	62	196734	21.07	ug/l	99
43) Isopropyl Acetate	8.17	43	224990	22.00	ug/l	97
44) Trichloroethene	8.84	130	165607	20.11	ug/l	100
45) 1,2-Dichloropropane	9.12	63	166960	20.34	ug/l	100
46) Dibromomethane	9.21	93	100441	20.83	ug/l	99
47) Bromodichloromethane	9.40	83	207985	20.59	ug/l	98
48) Methyl methacrylate	9.20	41	106892	20.50	ug/l	99
49) 1,4-Dioxane	9.20	88	29761	418.77	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	613023	100.43	ug/l	100
52) Toluene	10.16	92	392540	21.22	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	199179	19.81	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	236829	20.57	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	143055	20.83	ug/l	98
56) Ethyl methacrylate	10.43	69	159400	19.36	ug/l	98
57) 1,3-Dichloropropane	10.71	76	235631	20.79	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	345499	96.53	ug/l	99
59) 2-Hexanone	10.75	43	391912	96.44	ug/l	100
60) Dibromochloromethane	10.90	129	157910	20.54	ug/l	99
61) 1,2-Dibromoethane	11.01	107	137260	20.67	ug/l	99
64) Tetrachloroethene	10.63	164	149955	19.94	ug/l	97
65) Chlorobenzene	11.44	112	416620	20.13	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	156215	20.63	ug/l	99
67) Ethyl Benzene	11.51	91	679903	20.21	ug/l	99
68) m/p-Xylenes	11.62	106	539991	42.28	ug/l	99
69) o-Xylene	11.95	106	255373	20.80	ug/l	99
70) Styrene	11.96	104	403234	19.43	ug/l	99
71) Bromoform	12.13	173	107418	20.63	ug/l #	99
73) Isopropylbenzene	12.25	105	667967	20.49	ug/l	99
74) N-amyl acetate	12.07	43	168121	20.53	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	175791	21.70	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	153831m	22.31	ug/l	
77) Bromobenzene	12.53	156	176281	19.90	ug/l	100
78) n-propylbenzene	12.59	91	759755	20.87	ug/l	100
79) 2-Chlorotoluene	12.68	91	463813	20.45	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	562501	21.39	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	40912	20.06	ug/l	97
82) 4-Chlorotoluene	12.77	91	463336	20.69	ug/l	100
83) tert-Butylbenzene	12.99	119	464689	20.40	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	559663	21.16	ug/l	98
85) sec-Butylbenzene	13.17	105	620120	20.78	ug/l	100
86) p-Isopropyltoluene	13.29	119	537302	21.13	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	297078	19.76	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	291513	19.70	ug/l	98
89) n-Butylbenzene	13.62	91	390706	19.21	ug/l	99
90) Hexachloroethane	13.88	117	102642	21.28	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	293656	20.25	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23348	19.95	ug/l	97

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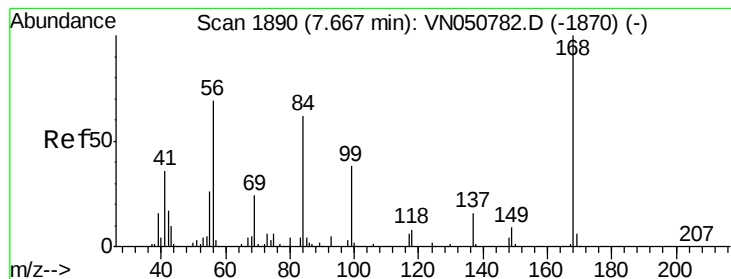
Manual Integrations
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MMDadoda
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	110796	17.57	ug/l	98
94) Hexachlorobutadiene	15.01	225	88028	19.80	ug/l	99
95) Naphthalene	15.14	128	210713	17.35	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	116357	18.66	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampled :

VN0822MBS01

Tot Ion:168 Resp: 604615

Ion Ratio Lower Upper

168 100

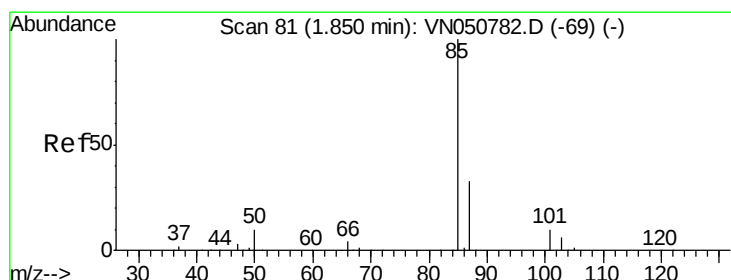
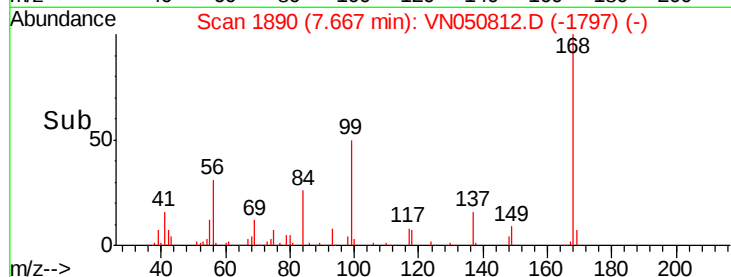
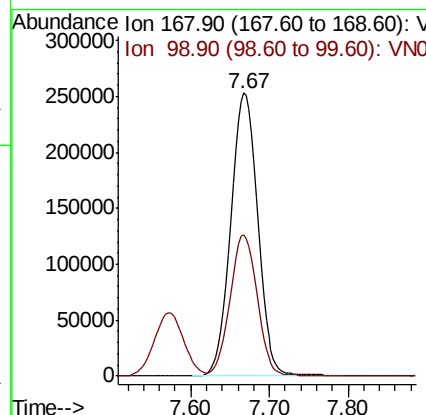
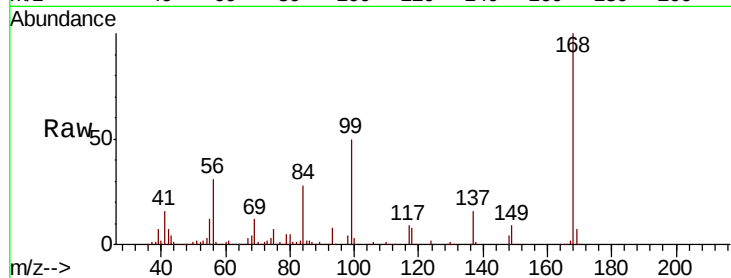
99 49.7 39.6 59.4

Manual Integrations

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8/23/2018 10:52:30 AM



#2

Dichlorodifluoromethane

Concen: 22.62 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050812.D

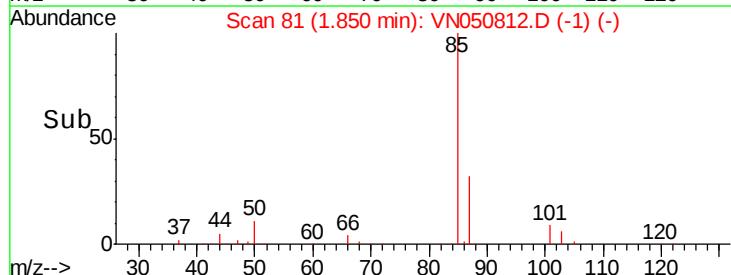
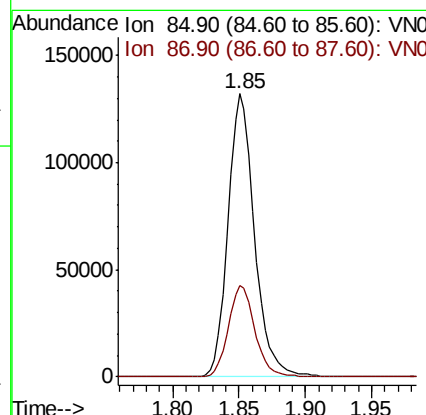
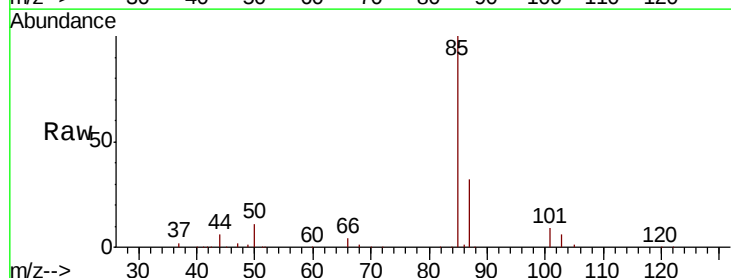
Acq: 22 Aug 2018 12:10

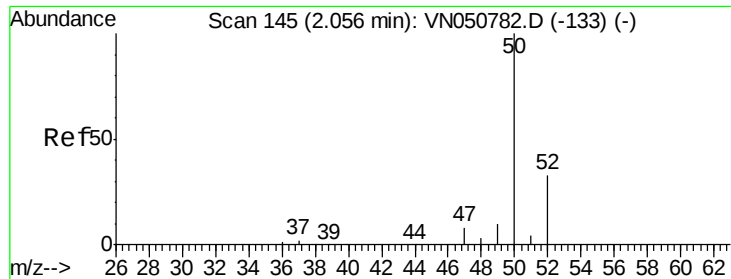
Tgt Ion: 85 Resp: 183053

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.1





#3

Chloromethane

Concen: 19.83 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBS01

Tot Ion: 50 Resp: 197919

Ion Ratio Lower Upper

50 100

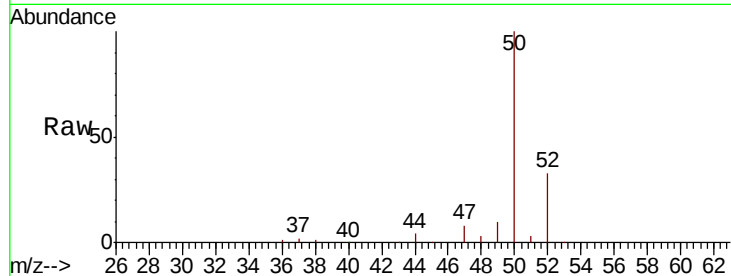
52 33.1 26.3 39.5

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

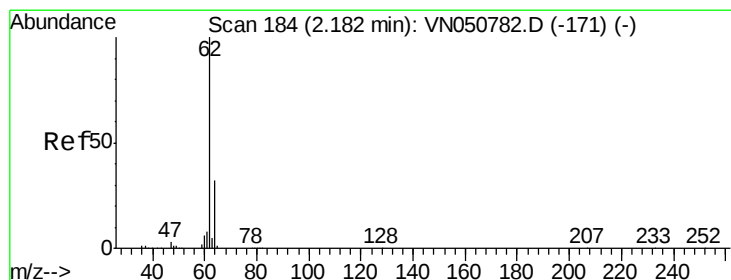
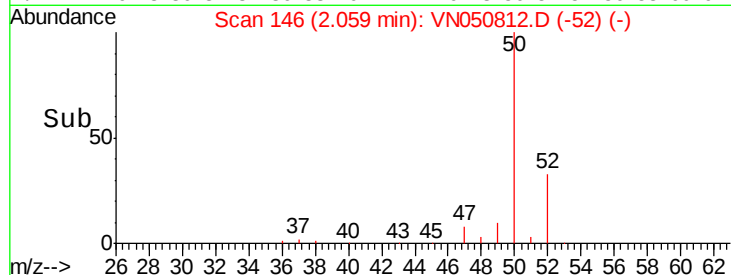
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 20.95 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050812.D

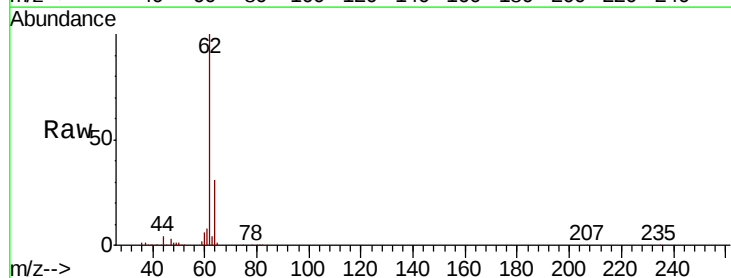
Acq: 22 Aug 2018 12:10

Tgt Ion: 62 Resp: 198078

Ion Ratio Lower Upper

62 100

64 31.1 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

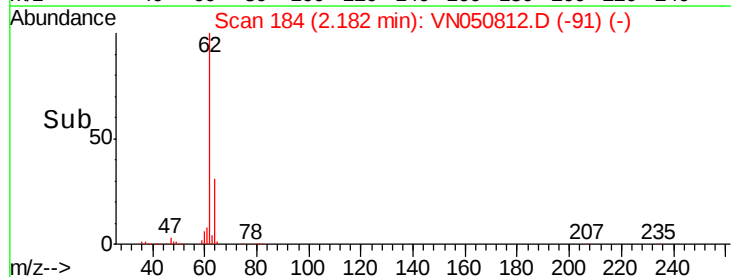
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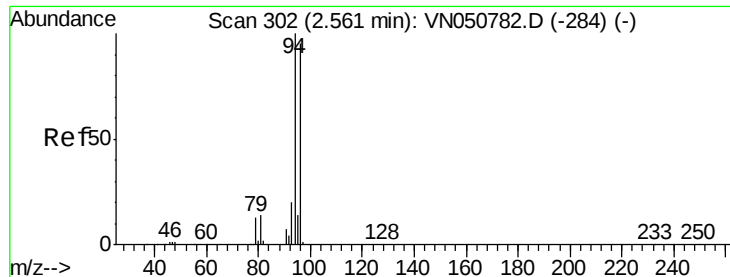
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50000

0

Time-->





#5

Bromomethane

Concen: 20.21 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBS01

Tot Ion: 94 Resp: 111986

Ion Ratio Lower Upper

94 100

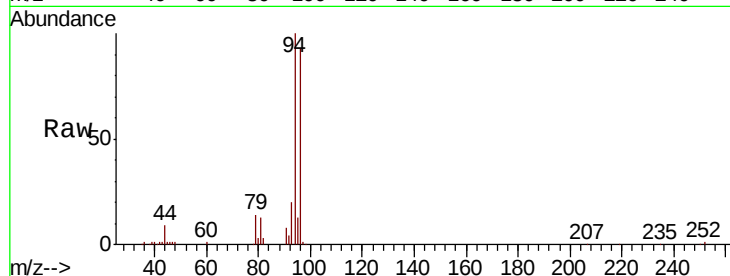
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Manual Integrations

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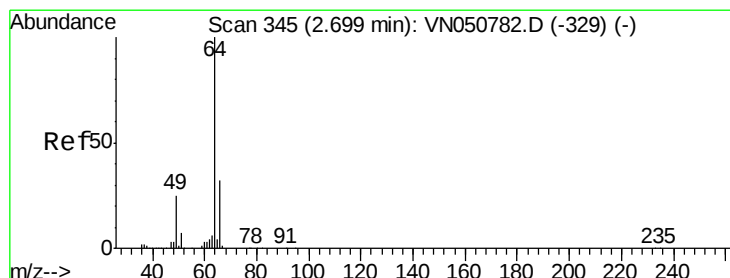
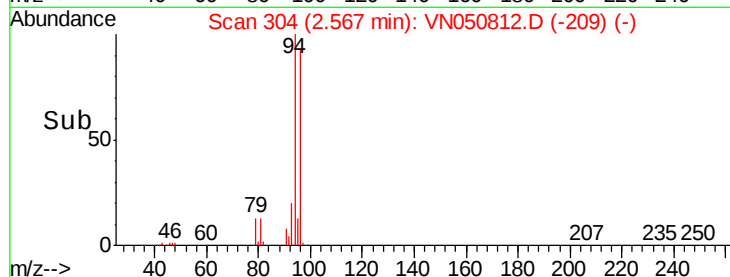
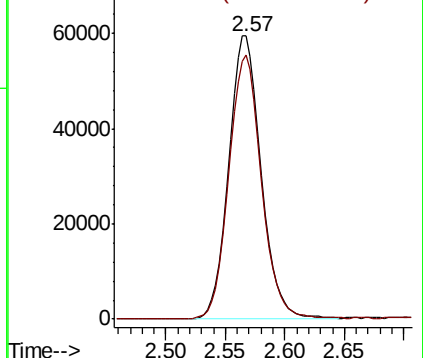
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.30 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN050812.D

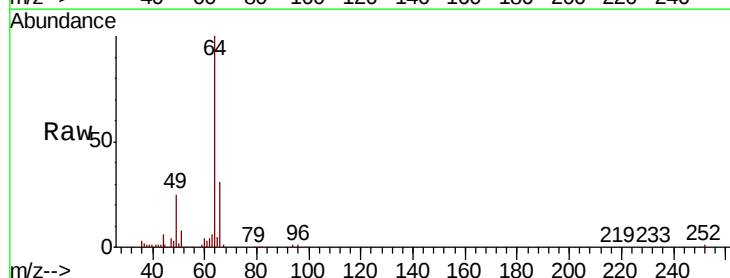
Acq: 22 Aug 2018 12:10

Tgt Ion: 64 Resp: 110906

Ion Ratio Lower Upper

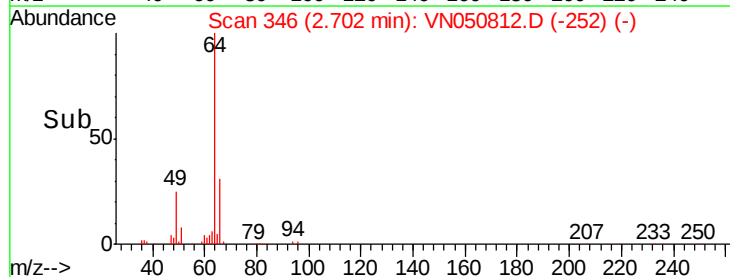
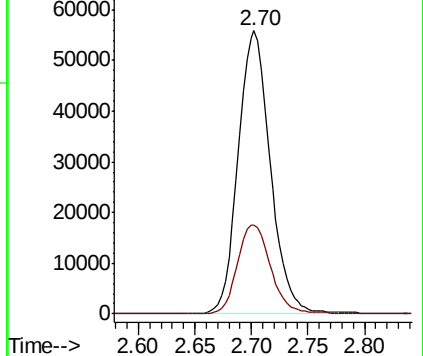
64 100

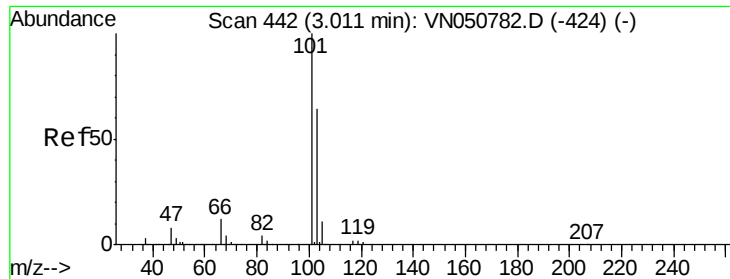
66 31.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

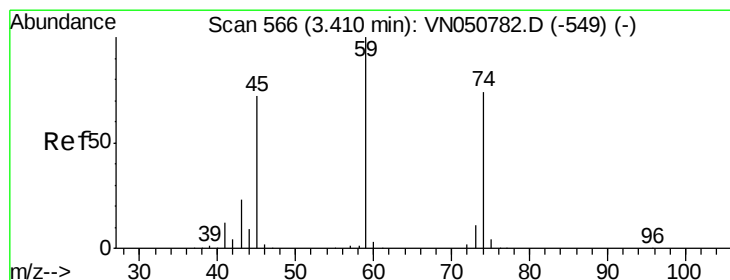
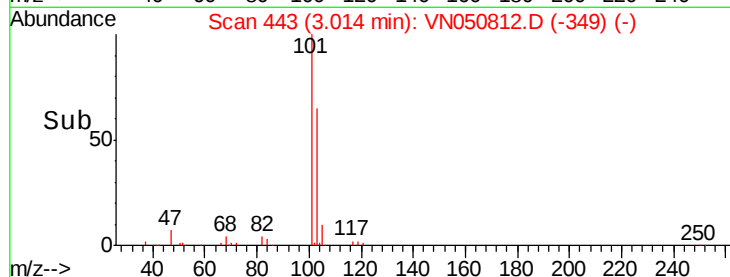
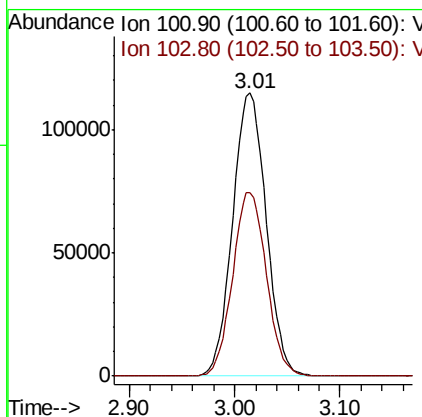
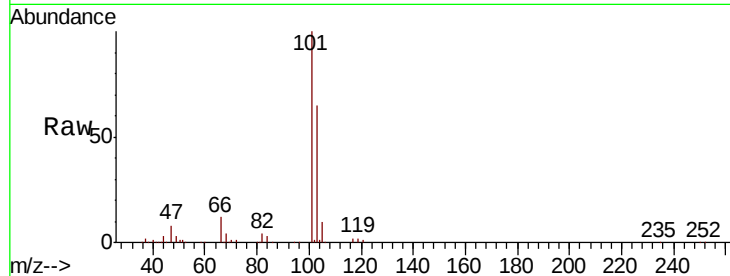
Trichlorofluoromethane
 Concen: 20.97 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050812.D
 Acq: 22 Aug 2018 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.6	77.4

Manual Integrations
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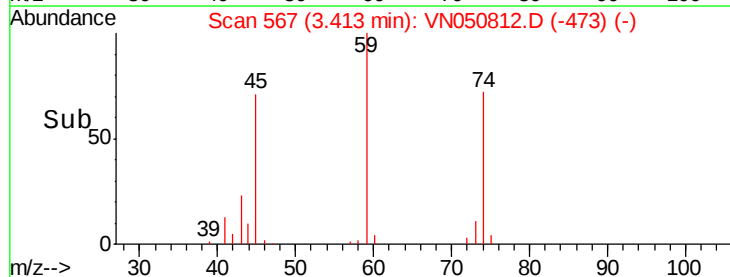
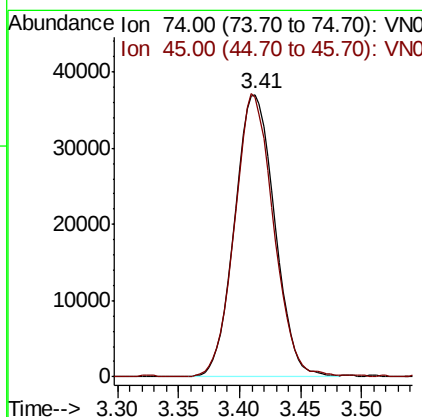
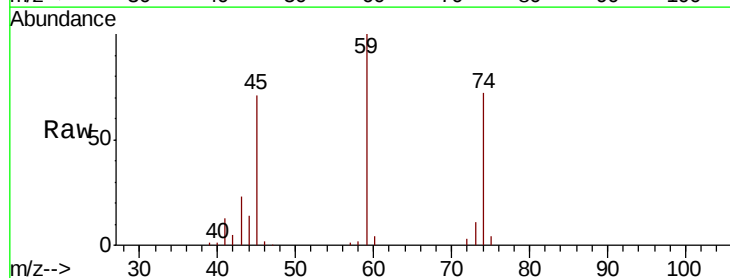
MMDadoda
 8/23/2018 10:52:30 AM

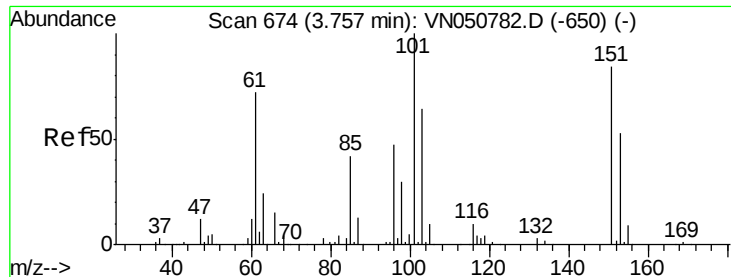


#8

Diethyl Ether
 Concen: 20.43 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050812.D
 Acq: 22 Aug 2018 12:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.8	48.2	144.6





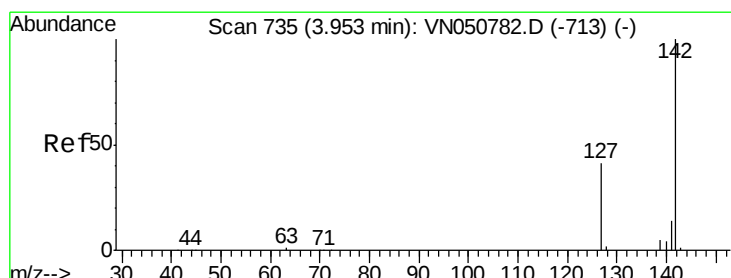
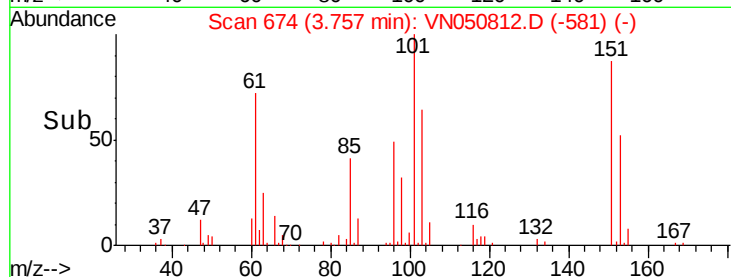
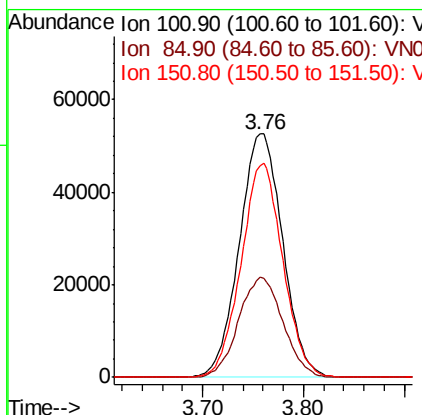
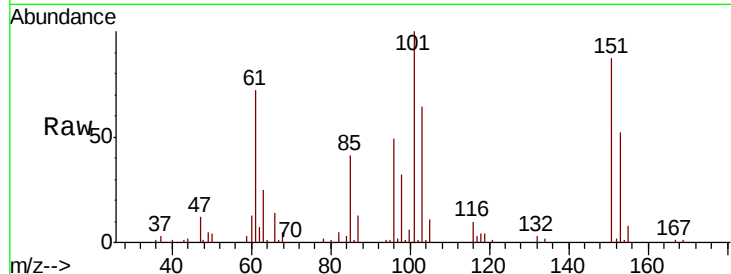
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.76 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. -0.00 min
 Lab File: VN050812.D
 Acq: 22 Aug 2018 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822MBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	157030		
85	42.0		33.7	50.5
151	84.7		67.4	101.2

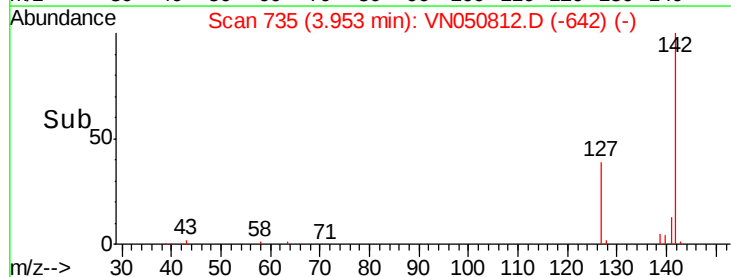
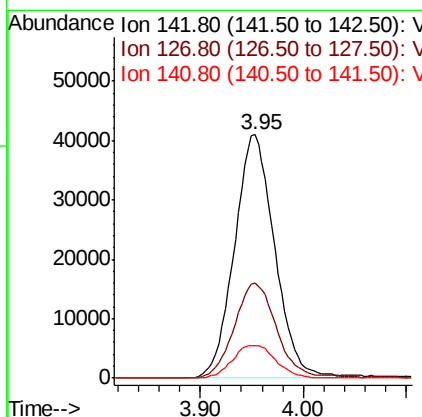
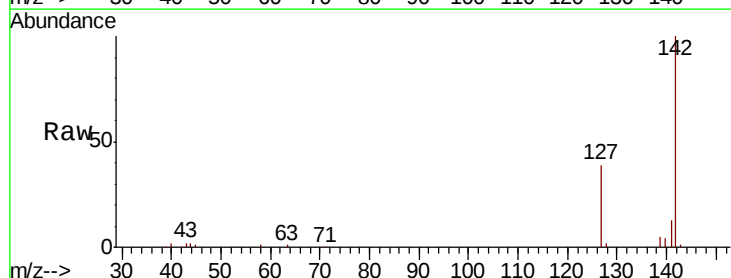
Manual Integrations
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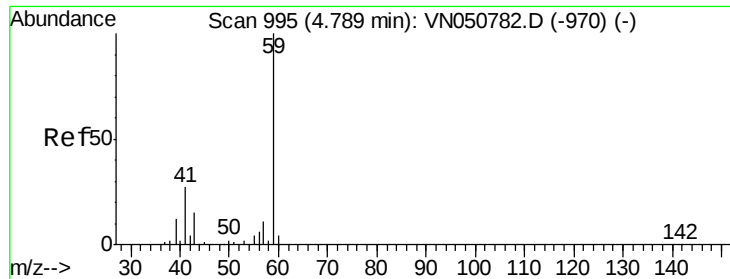
MMDadoda
 8/23/2018 10:52:30 AM



#10
 Methyl Iodide
 Concen: 20.97 ug/l
 RT: 3.95 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: VN050812.D
 Acq: 22 Aug 2018 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	111241		
127	41.2		31.7	47.5
141	14.4		11.4	17.0





#11

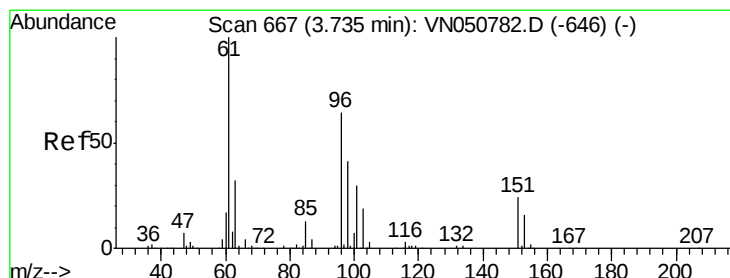
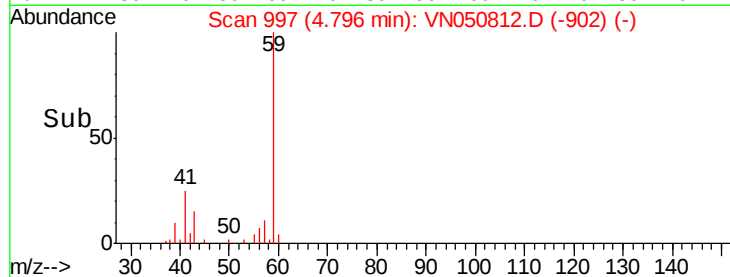
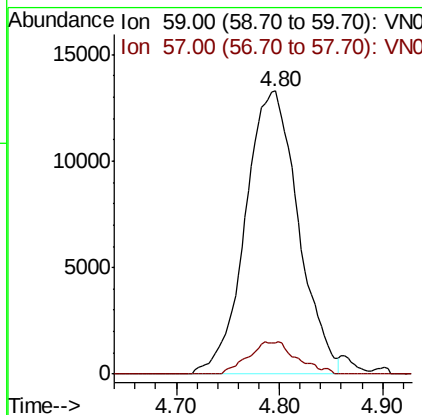
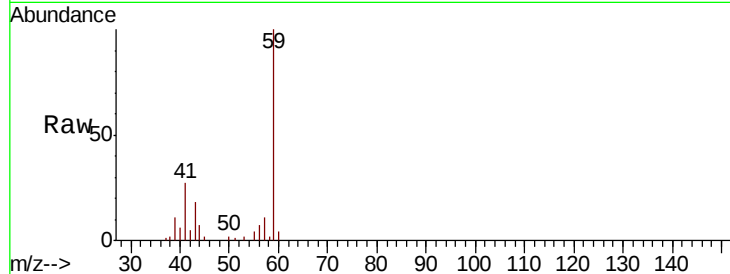
Tert butyl alcohol
Concen: 102.21 ug/l
RT: 4.80 min Scan# 997
Delta R.T. 0.01 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Instrument :
MSVOA_N
ClientSampled :
VN0822MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.9	8.3	12.5#

Manual Integrations
APPROVED

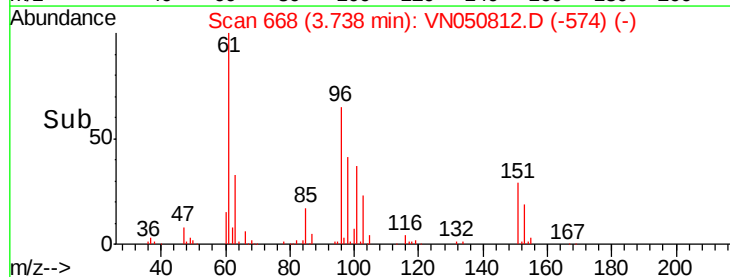
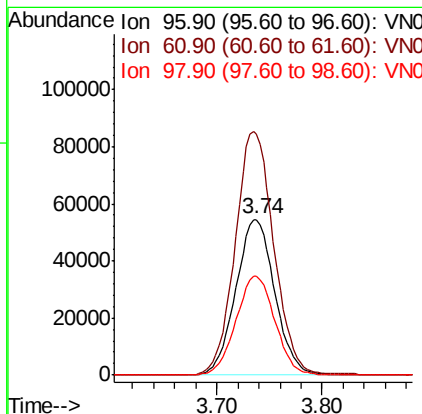
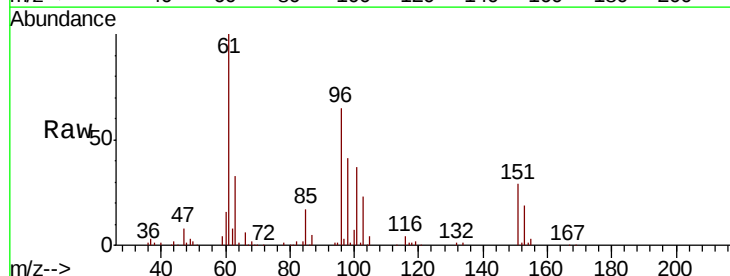
MMDadoda
8/23/2018 10:52:30 AM

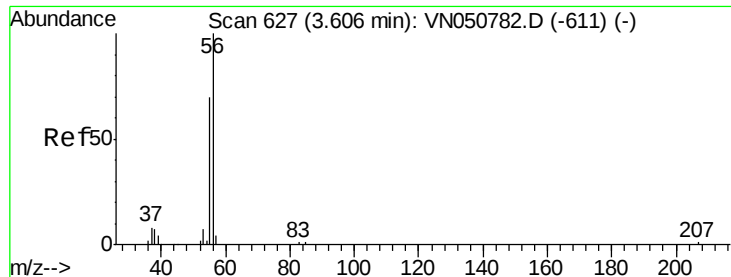


#12

1,1-Dichloroethene
Concen: 20.60 ug/l
RT: 3.74 min Scan# 668
Delta R.T. 0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.4	124.9	187.3
98	63.6	51.1	76.7





#13

Acrolein

Concen: 102.40 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBS01

Tot Ion: 56 Resp: 24633

Ion Ratio Lower Upper

56 100

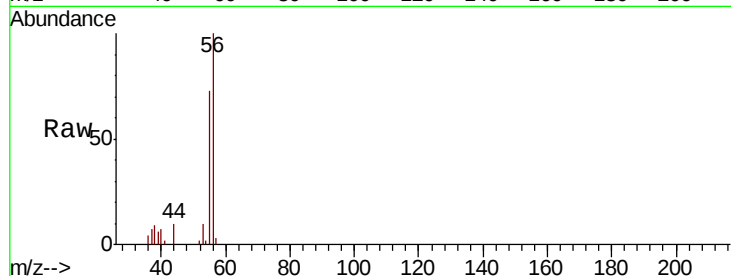
55 71.6 57.7 86.5

Manual Integrations

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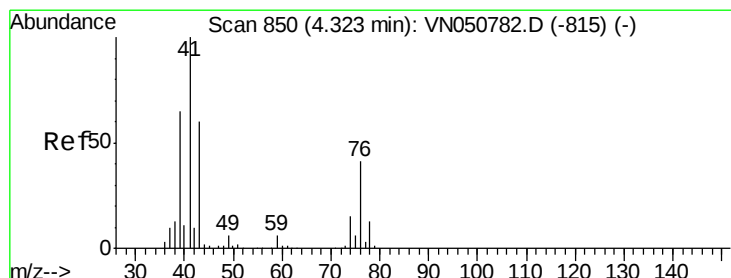
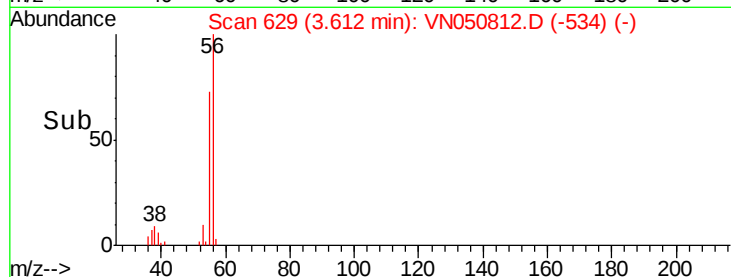
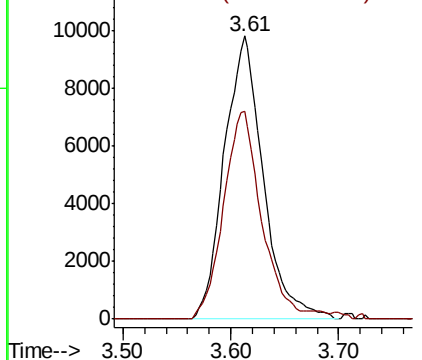
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.93 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

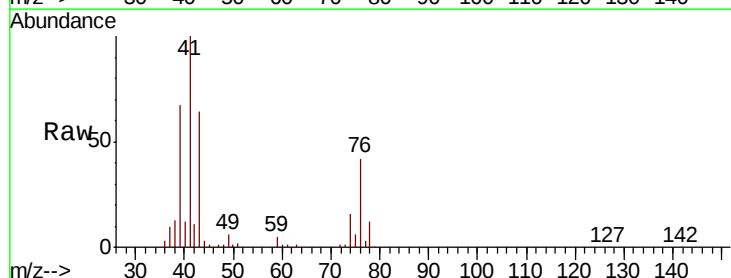
Tgt Ion: 41 Resp: 210870

Ion Ratio Lower Upper

41 100

39 64.4 50.2 75.2

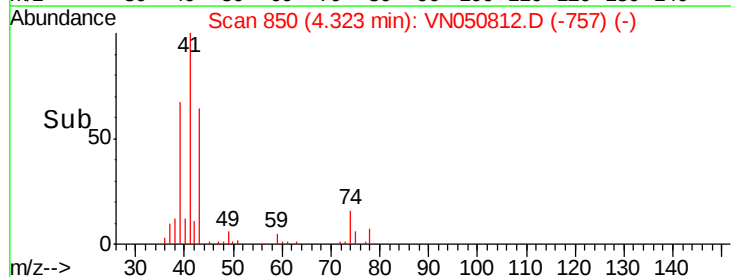
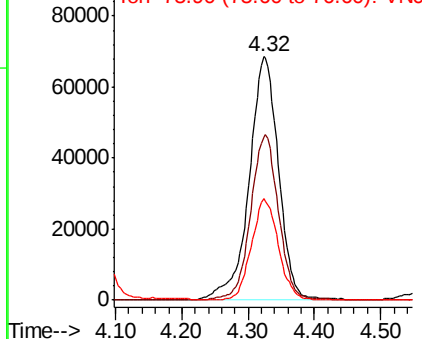
76 37.5 29.8 44.8

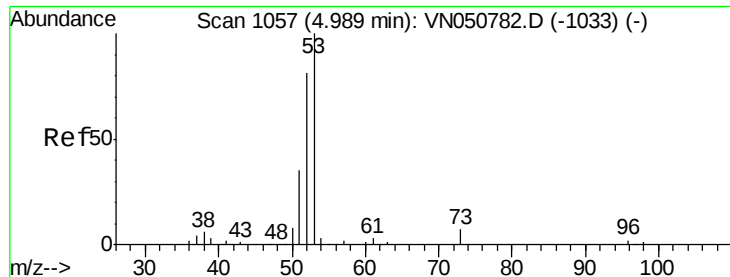


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 104.33 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

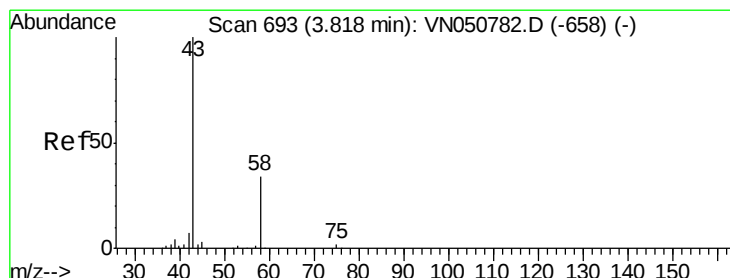
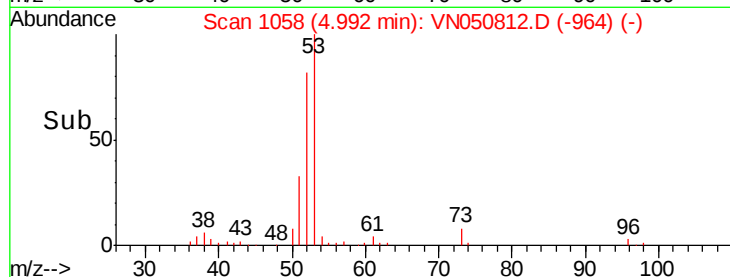
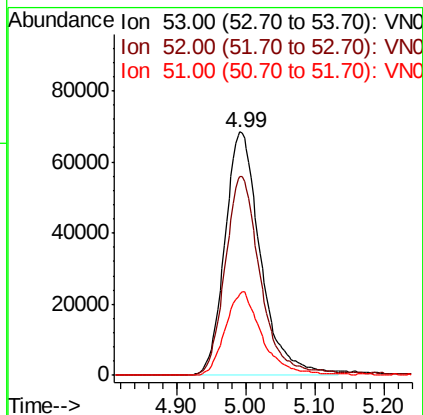
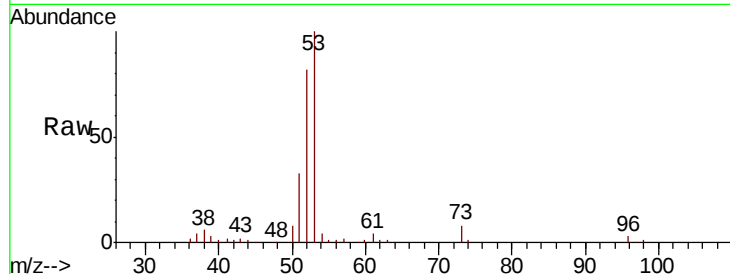
ClientSampleId :

VN0822MBS01

Tot Ion:	53	Resp:	245758
Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.9	98.9
51	35.3	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 97.07 ug/l

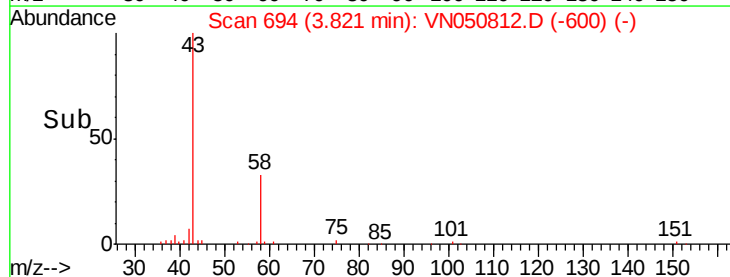
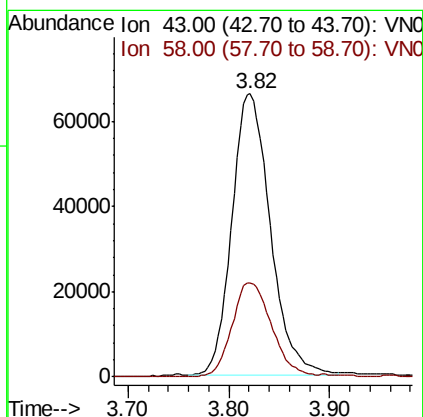
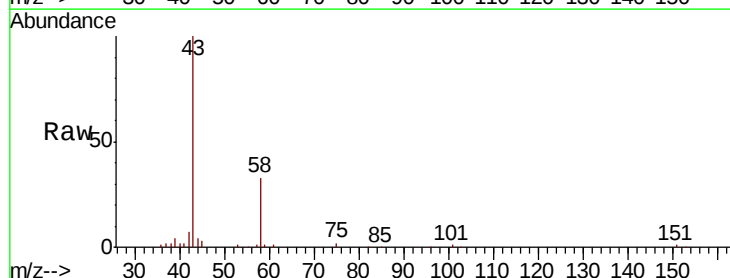
RT: 3.82 min Scan# 694

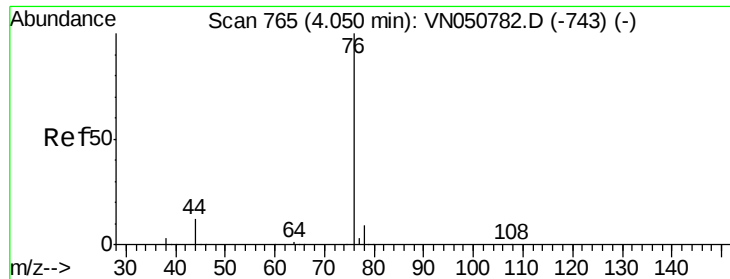
Delta R.T. 0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Tgt Ion:	43	Resp:	174759
Ion	Ratio	Lower	Upper
43	100		
58	33.5	27.2	40.8





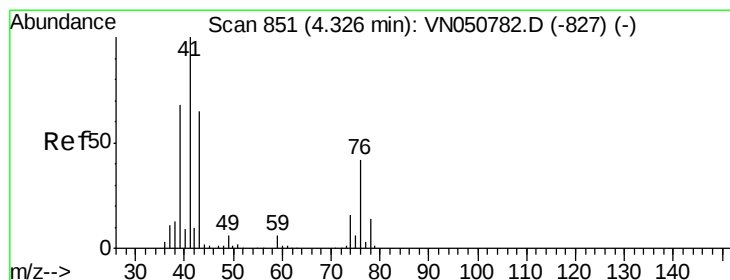
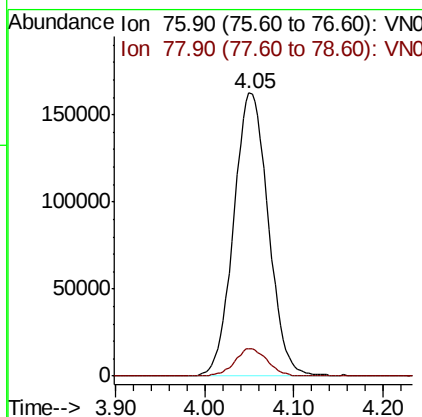
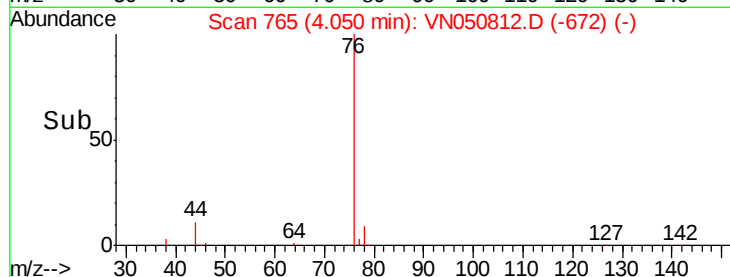
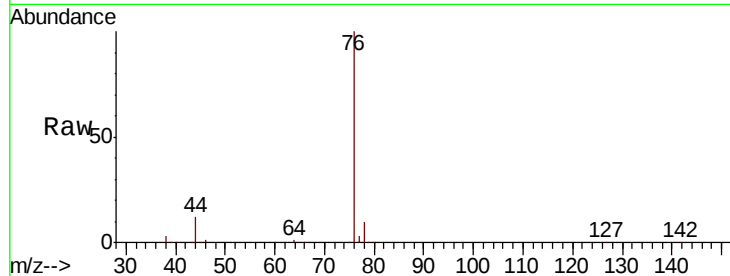
#17
Carbon Disulfide
Concen: 19.24 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0822MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.3	10.9

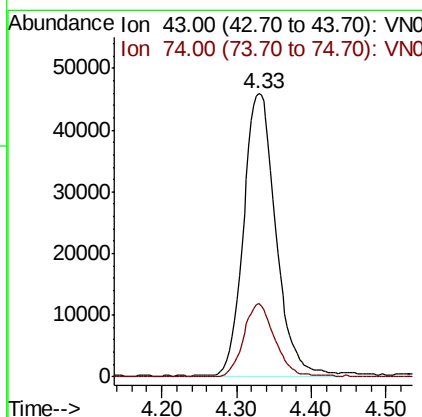
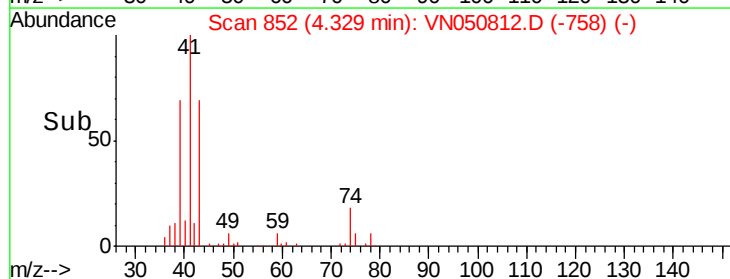
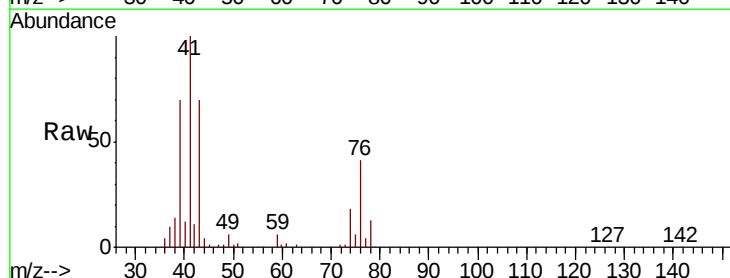
Manual Integrations
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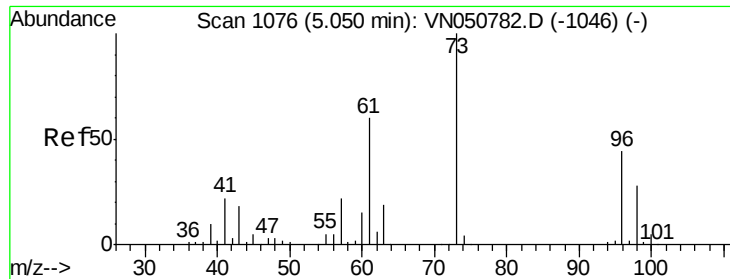
MMDadoda
8/23/2018 10:52:30 AM



#18
Methyl Acetate
Concen: 20.21 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.0	19.8	29.8





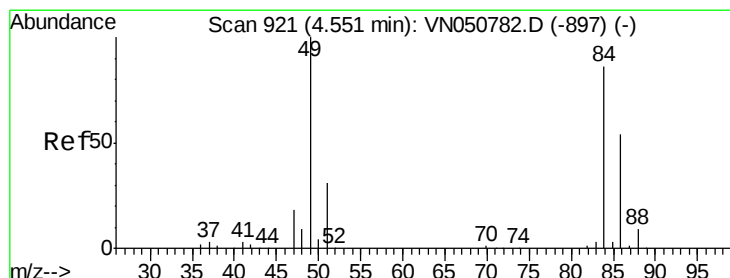
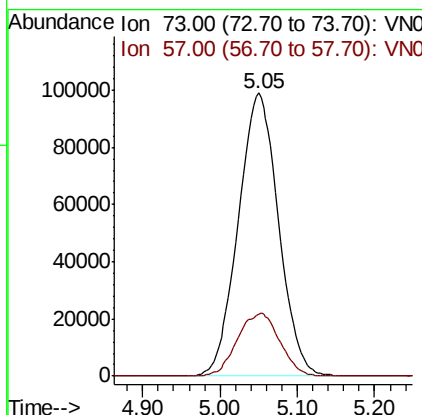
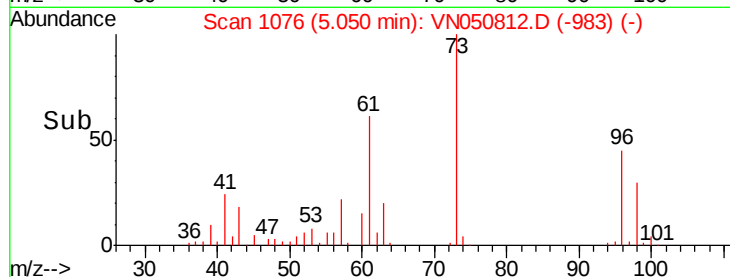
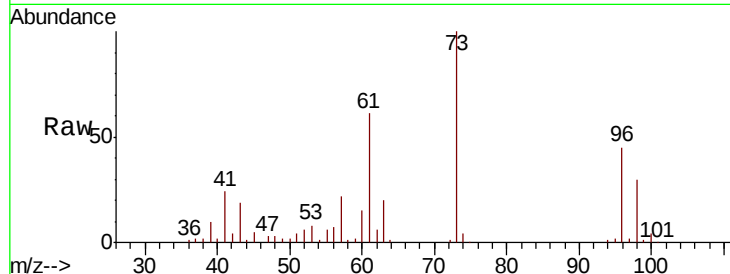
#19
Methyl tert-butyl Ether
Concen: 20.98 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Instrument :
MSVOA_N
ClientSampled :
VN0822MBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	17.8	26.8

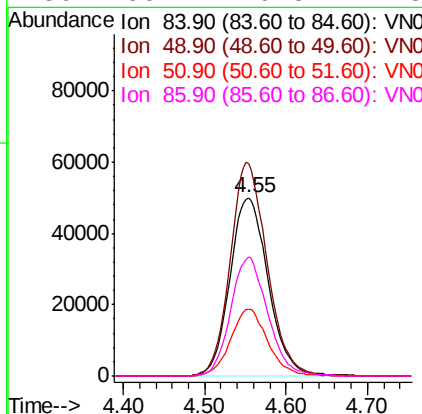
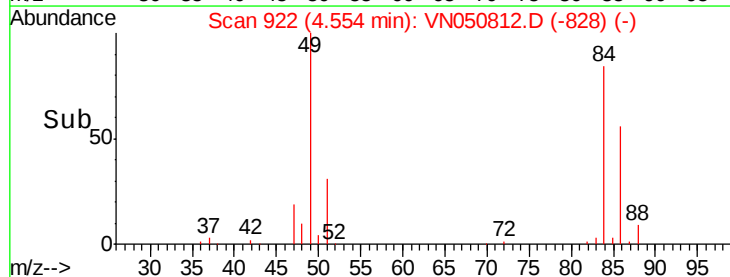
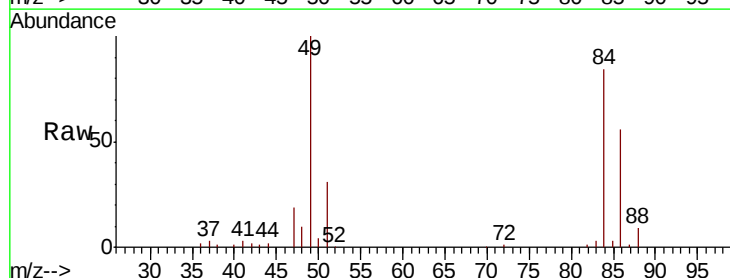
Manual Integrations
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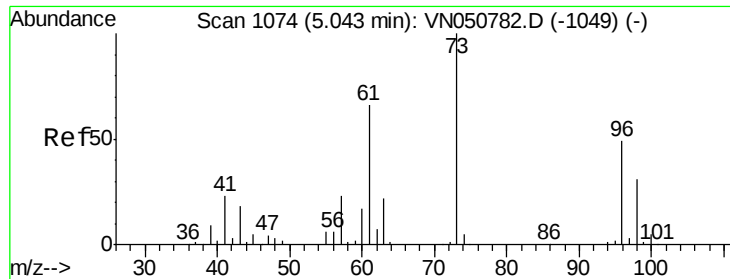
MMDadoda
8/23/2018 10:52:30 AM



#20
Methylene Chloride
Concen: 19.82 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Tgt Ion	Ratio	Lower	Upper
84	100		
49	119.2	93.2	139.8
51	37.1	29.0	43.6
86	66.7	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 20.29 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampled :

VN0822MBS01

Tot Ion: 96 Resp: 149031

Ion Ratio Lower Upper

96 100

61 133.1 107.4 161.0

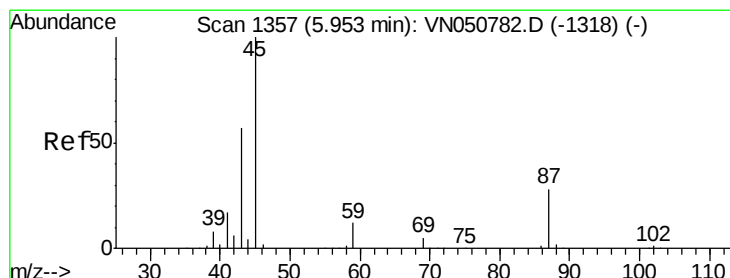
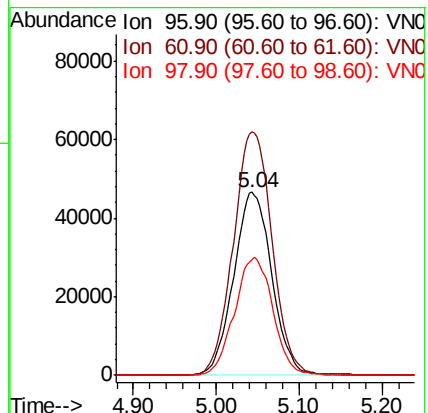
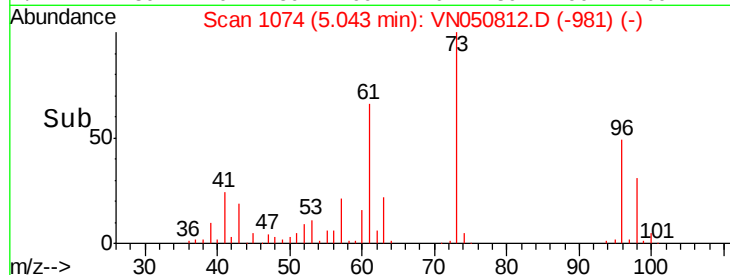
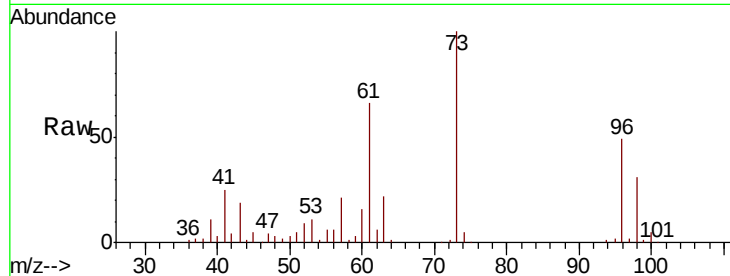
98 63.3 50.7 76.1

Manual Integrations

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#22

Diisopropyl ether

Concen: 21.41 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Tgt Ion: 45 Resp: 451519

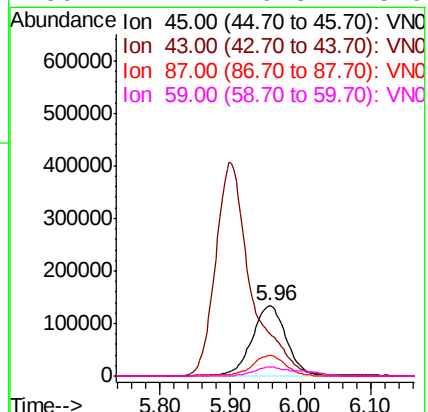
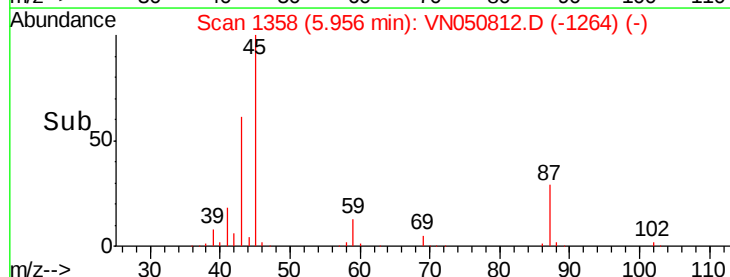
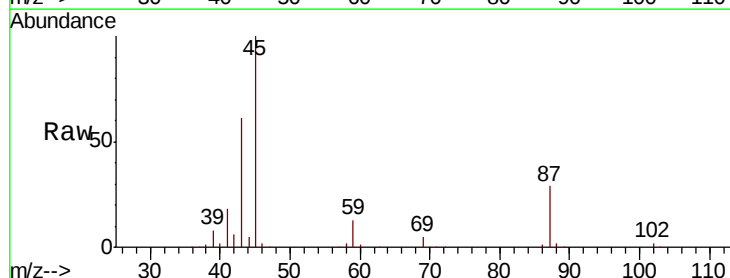
Ion Ratio Lower Upper

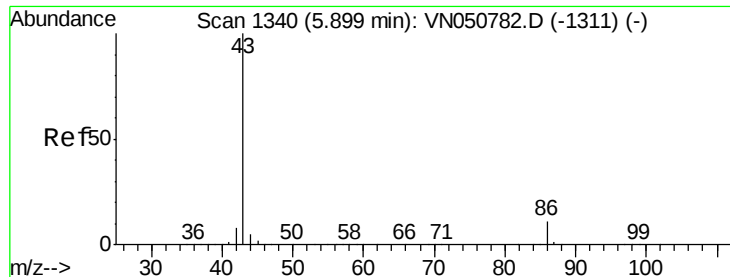
45 100

43 59.1 45.9 68.9

87 29.0 22.7 34.1

59 12.2 9.3 13.9





#23

Vinyl Acetate

Concen: 105.06 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBS01

Tot Ion: 43 Resp: 1426756

Ion Ratio Lower Upper

43 100

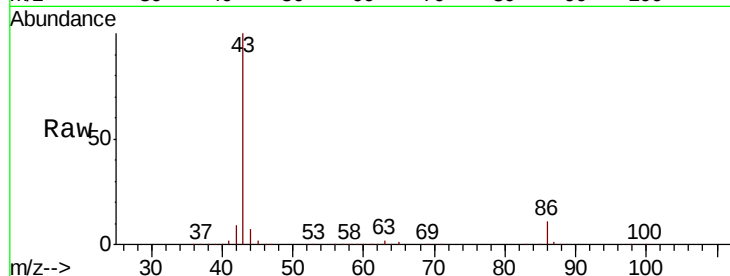
86 11.0 8.7 13.1

Manual Integrations

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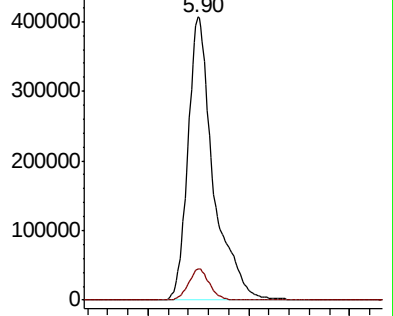
MMDadoda

8/23/2018 10:52:30 AM

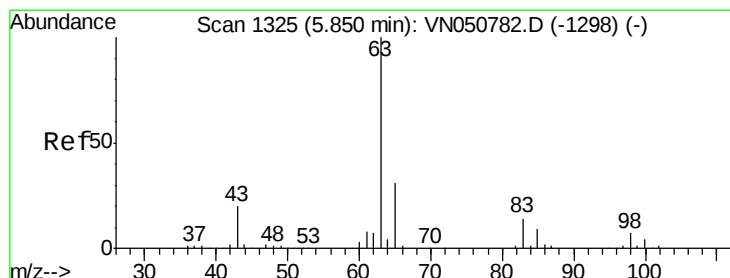
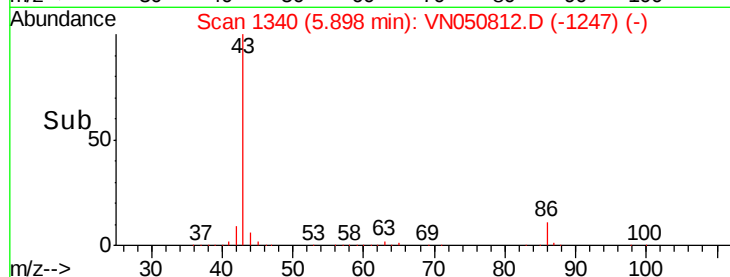


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 20.63 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

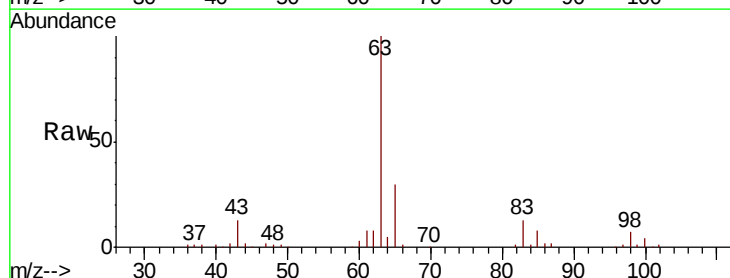
Tgt Ion: 63 Resp: 279360

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

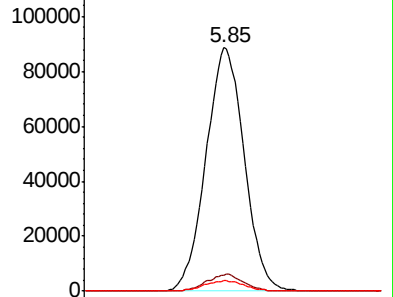
100 4.3 2.1 6.5



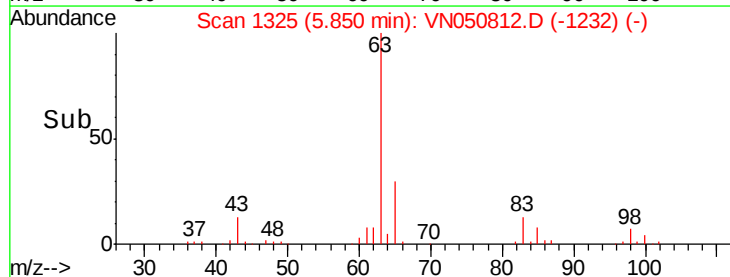
Abundance Ion 62.90 (62.60 to 63.60): VN0

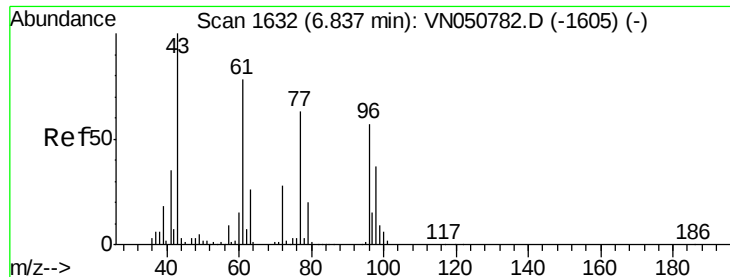
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





#25

2-Butanone

Concen: 92.63 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampled :

VN0822MBS01

Tot Ion: 43 Resp: 271713

Ion Ratio Lower Upper

43 100

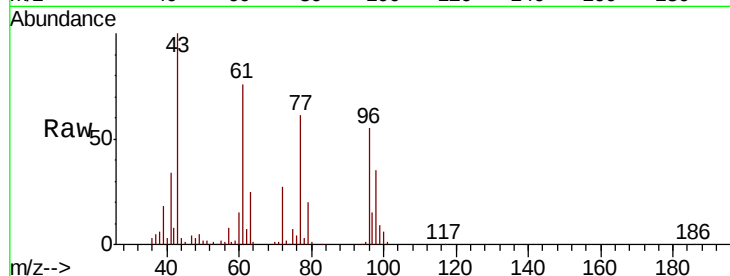
72 27.0 22.3 33.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

100000

80000

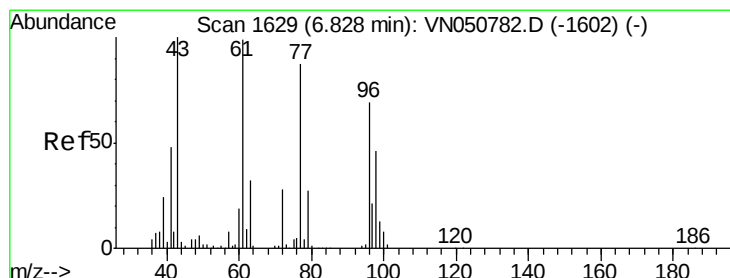
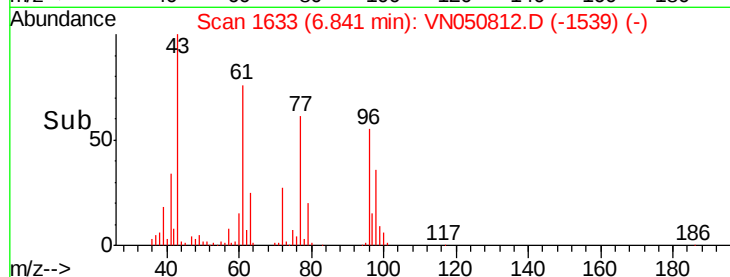
60000

40000

20000

0

Time--> 6.70 6.75 6.80 6.85 6.90



#26

2,2-Dichloropropane

Concen: 20.13 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050812.D

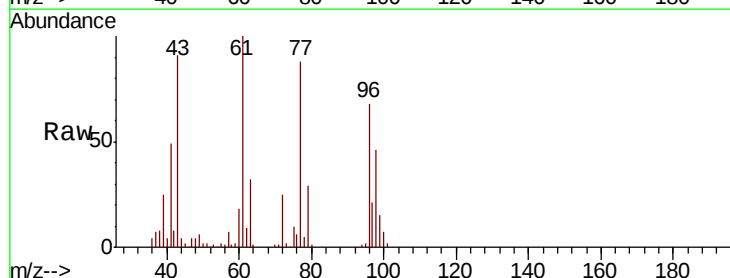
Acq: 22 Aug 2018 12:10

Tgt Ion: 77 Resp: 219005

Ion Ratio Lower Upper

77 100

97 23.6 12.0 36.0



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.83

80000

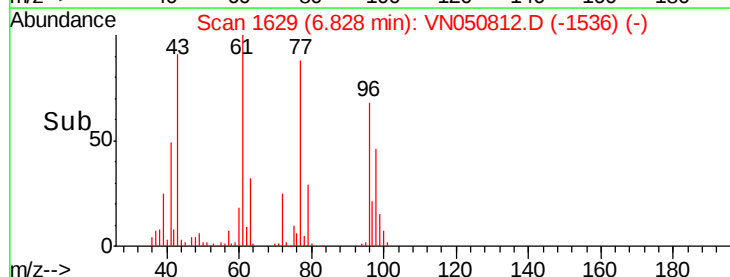
60000

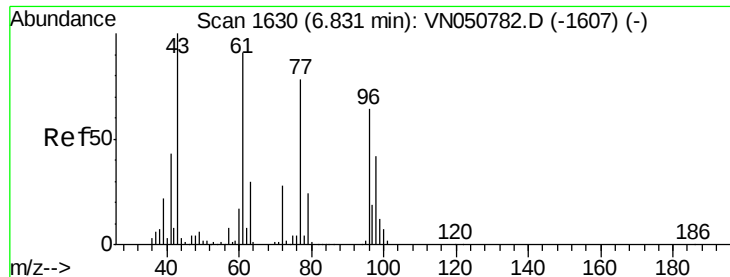
40000

20000

0

Time--> 6.70 6.80 6.90





#27

cis-1,2-Dichloroethene

Concen: 20.61 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

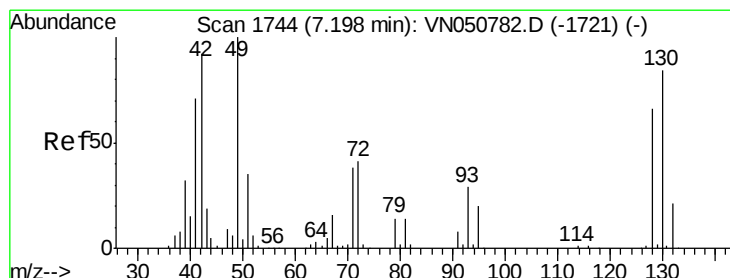
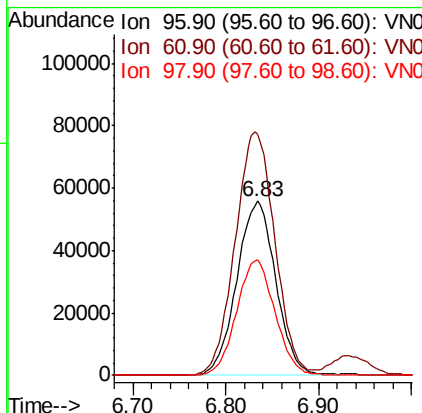
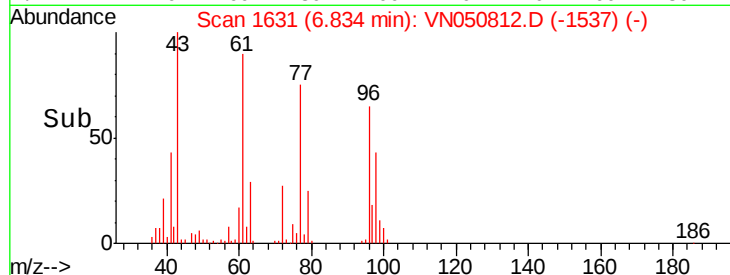
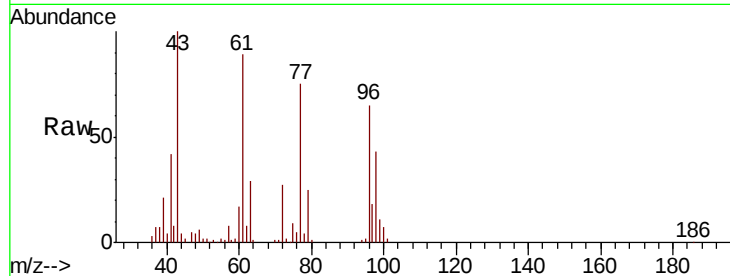
ClientSampled :

VN0822MBS01

Tot Ion:	96	Resp:	163165
Ion	Ratio	Lower	Upper
96	100		
61	142.2	0.0	283.4
98	65.5	0.0	129.8

Manual Integrations
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MMDadoda
8/23/2018 10:52:30 AM



#28

Bromochloromethane

Concen: 18.55 ug/l

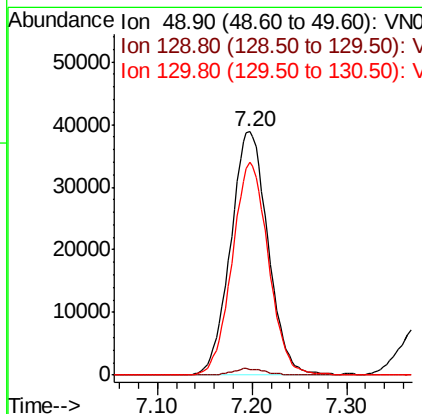
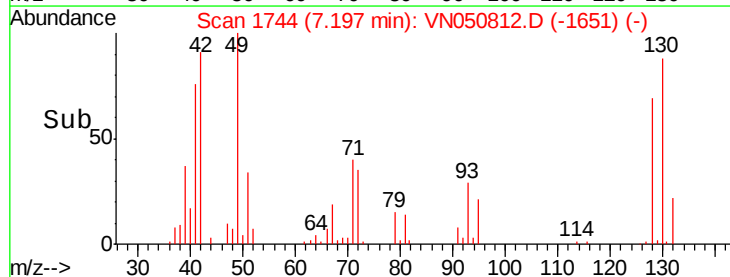
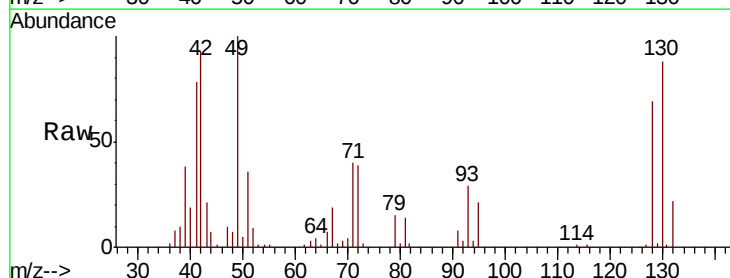
RT: 7.20 min Scan# 1744

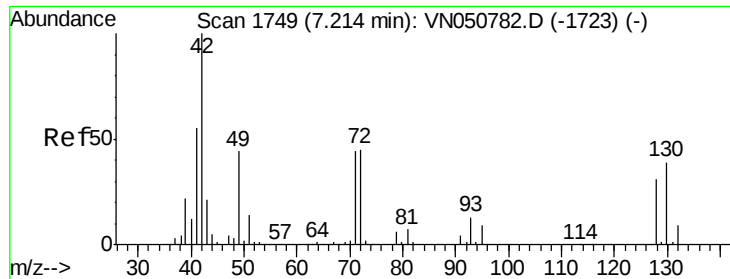
Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Tgt Ion:	49	Resp:	106696
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	84.8	67.1	100.7





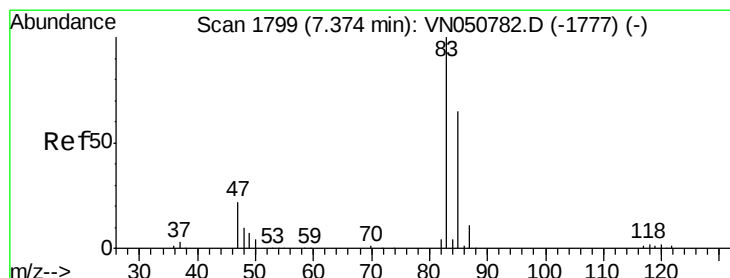
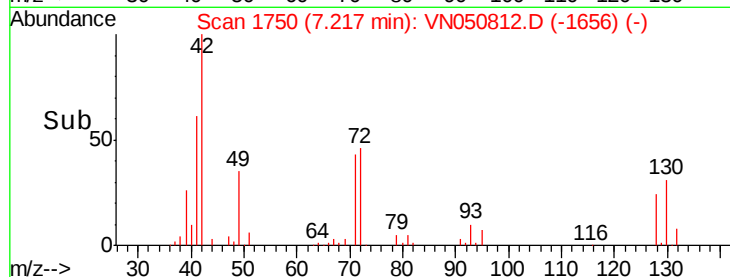
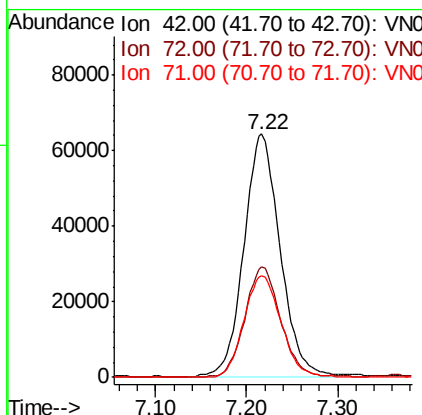
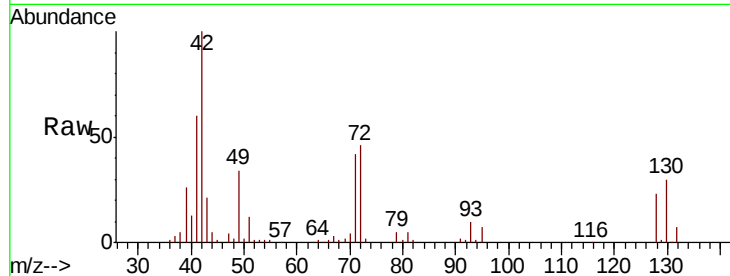
#29
Tetrahydrofuran
Concen: 106.44 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Instrument :
MSVOA_N
ClientSampled :
VN0822MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	35.5	53.3
71	42.6	33.7	50.5

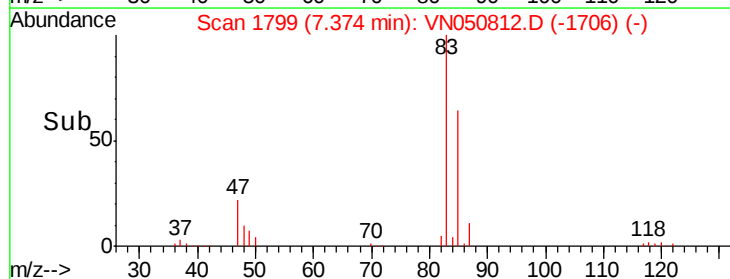
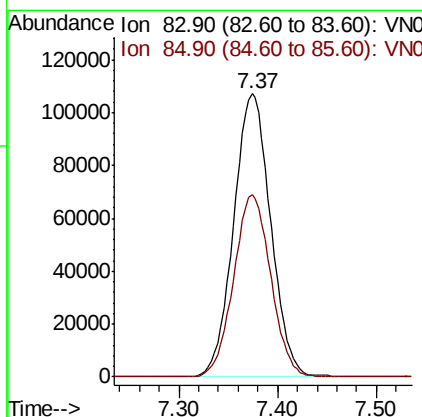
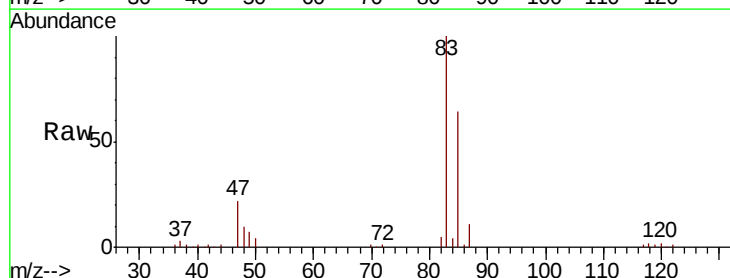
Manual Integrations
APPROVED

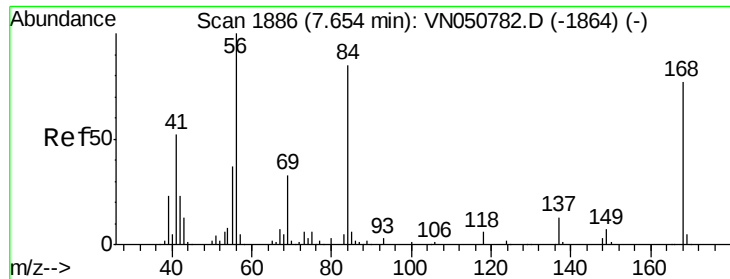
MMDadoda
8/23/2018 10:52:30 AM



#30
Chloroform
Concen: 20.80 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.2	78.4





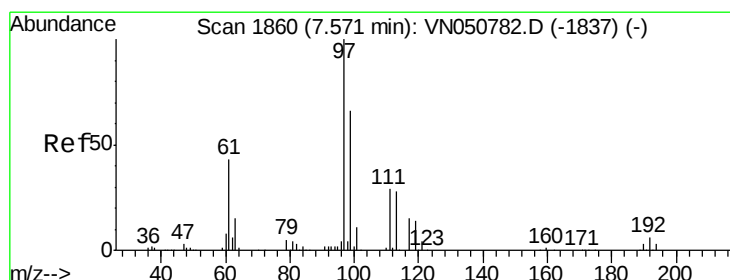
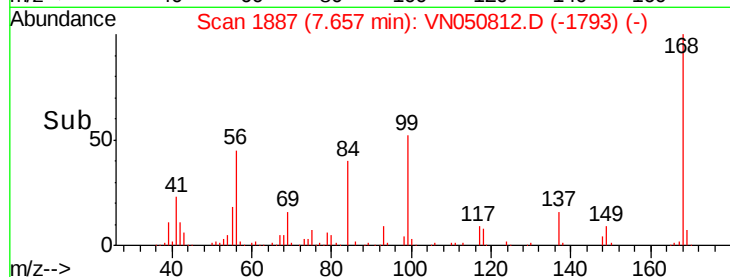
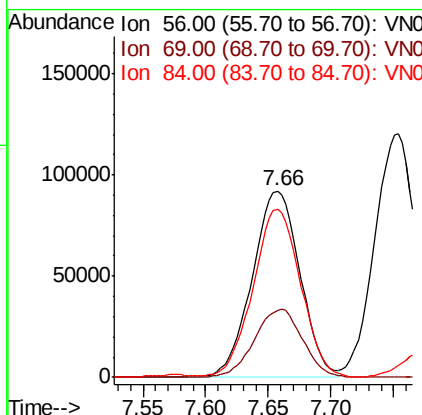
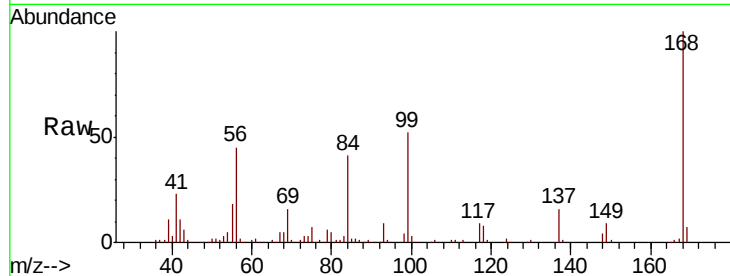
#31
Cyclohexane
Concen: 20.11 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0822MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.9	26.2	39.4
84	89.2	68.3	102.5

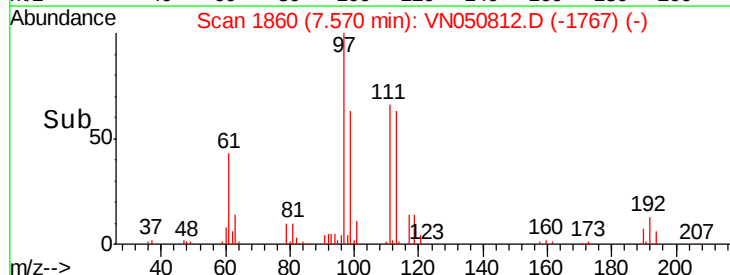
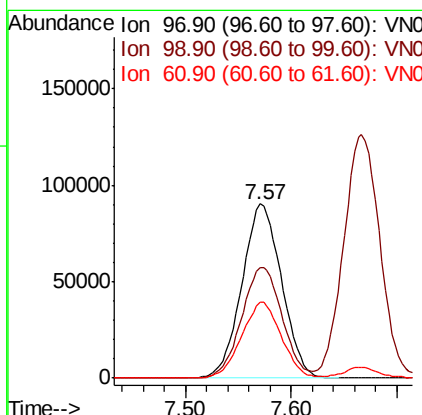
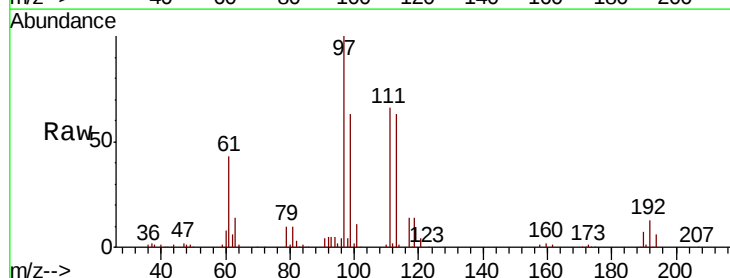
Manual Integrations
APPROVED

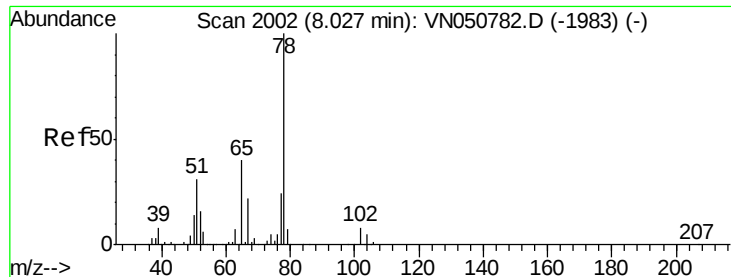
MMDadoda
8/23/2018 10:52:30 AM



#32
1,1,1-Trichloroethane
Concen: 20.55 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.8	77.6
61	43.6	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 51.07 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBS01

Tot Ion: 65 Resp: 371723

Ion Ratio Lower Upper

65 100

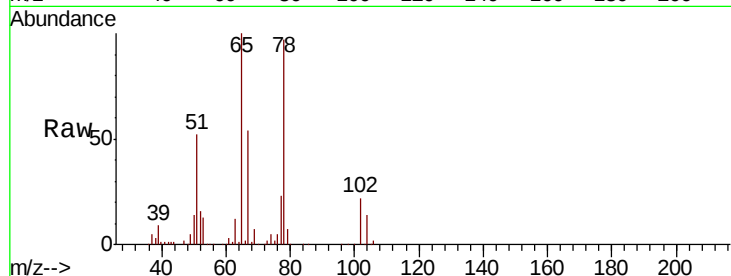
67 54.7 0.0 110.4

Manual Integrations

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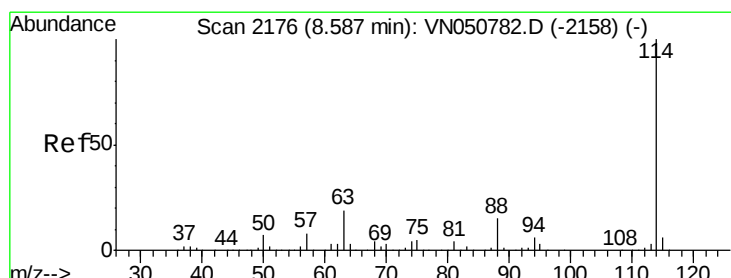
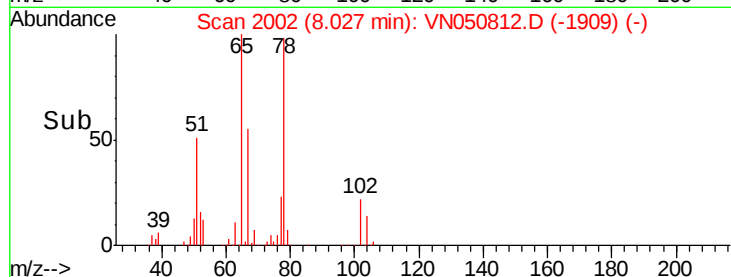
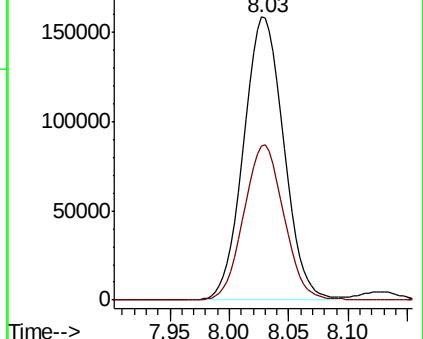
MMDadoda

8/23/2018 10:52:30 AM



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

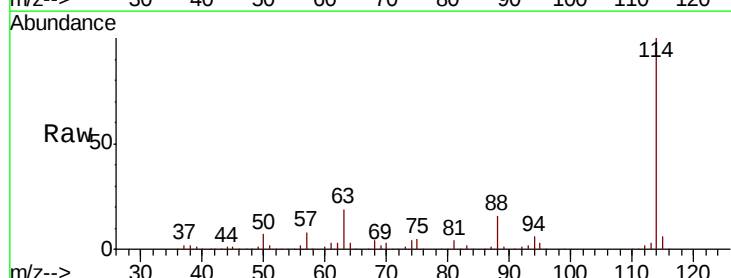
Tgt Ion: 114 Resp: 877665

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.6

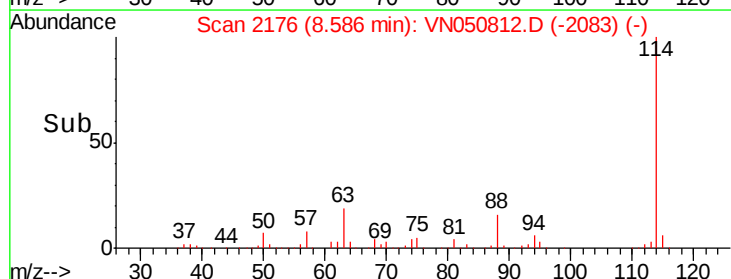
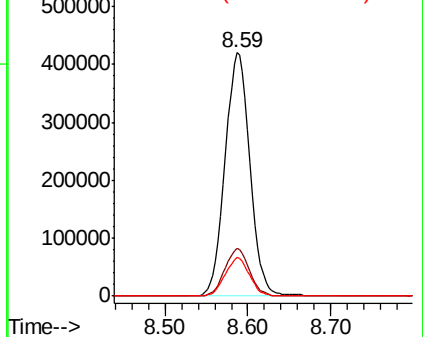
88 15.8 0.0 30.6

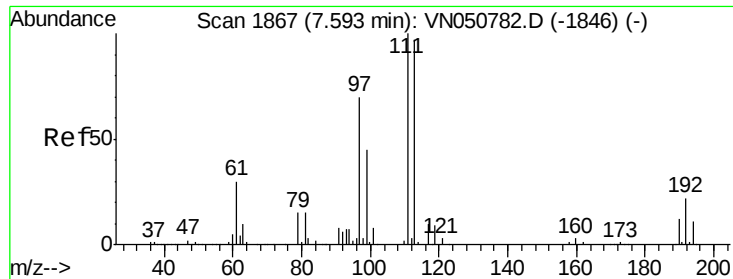


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





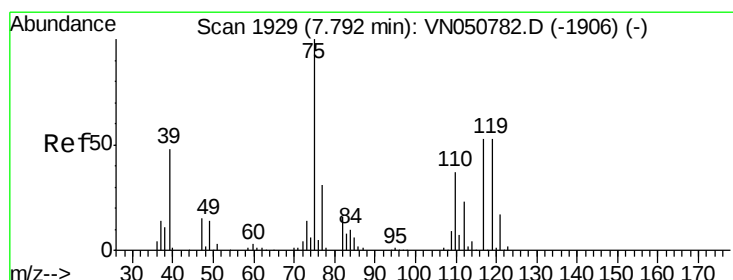
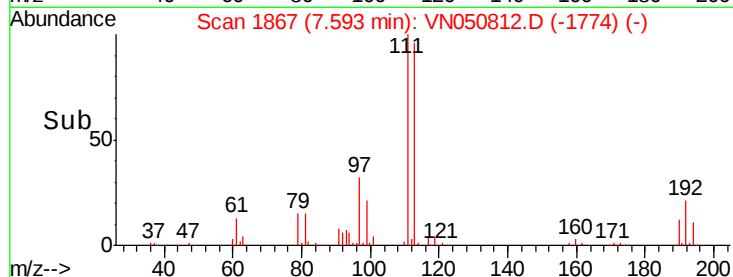
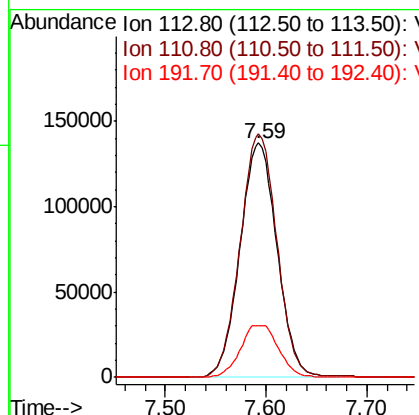
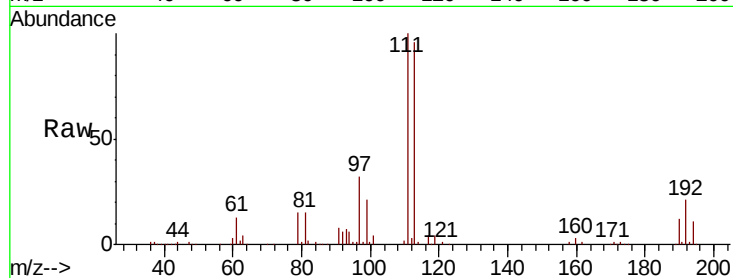
#35
 Dibromofluoromethane
 Concen: 50.08 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050812.D
 Acq: 22 Aug 2018 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	349677		
111	103.6	82.6	123.8	
192	22.9	18.0	27.0	

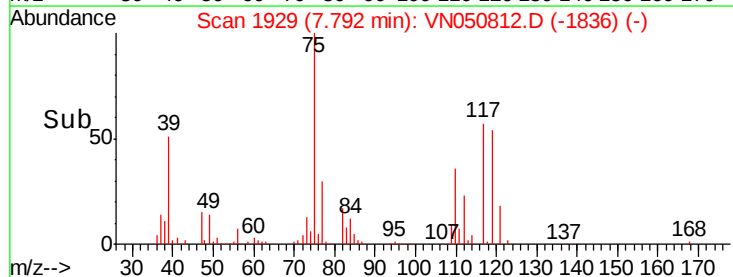
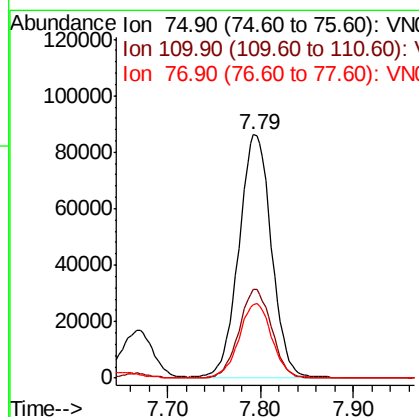
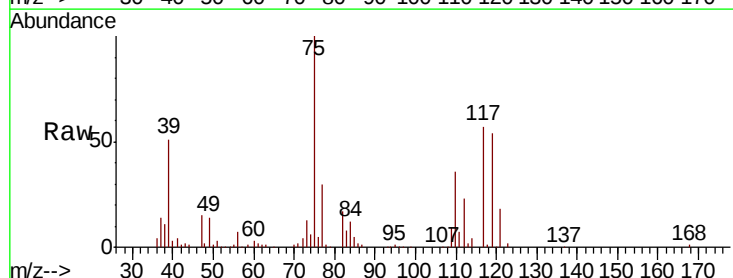
Manual Integrations
 APPROVED

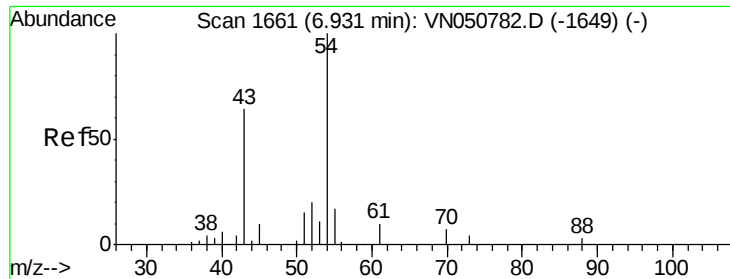
MMDadoda
 8/23/2018 10:52:30 AM



#36
 1,1-Dichloropropene
 Concen: 20.22 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050812.D
 Acq: 22 Aug 2018 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	209417		
110	36.3	18.1	54.4	
77	31.1	24.8	37.2	





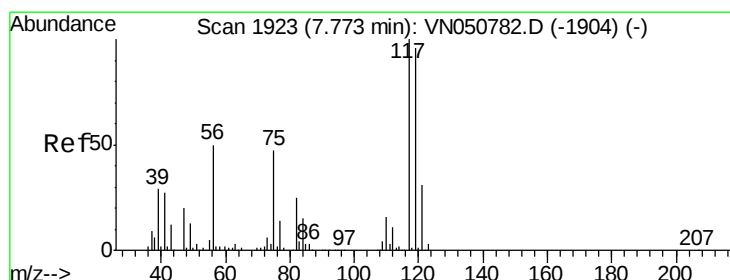
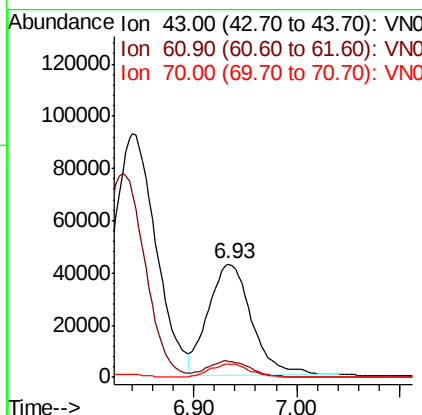
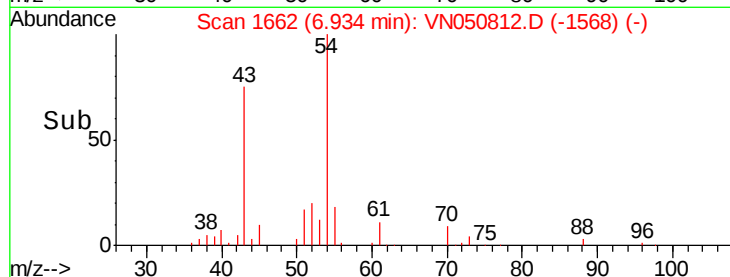
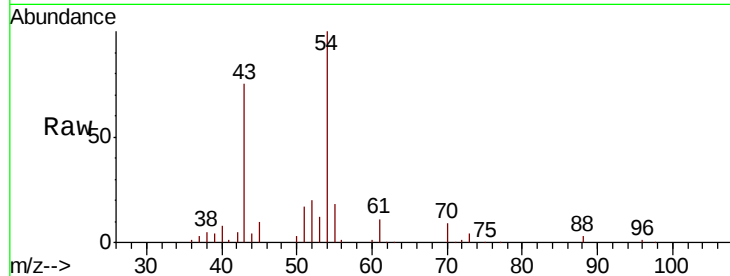
#37
Ethyl Acetate
Concen: 21.08 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0822MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	12.0	18.0
70	10.9	8.6	13.0

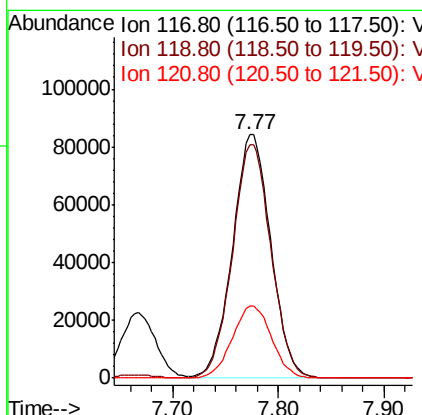
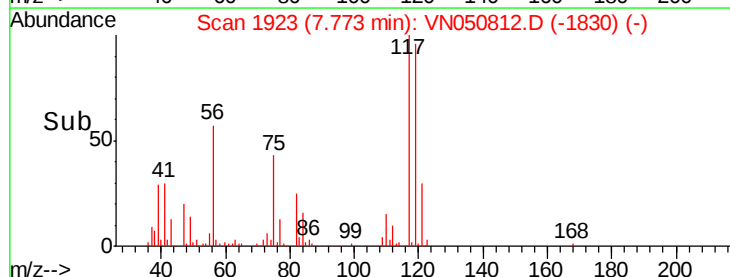
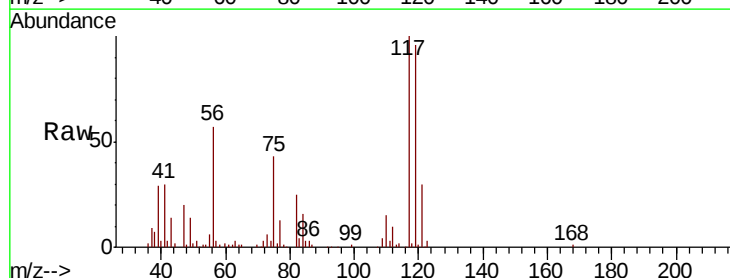
Manual Integrations
APPROVED

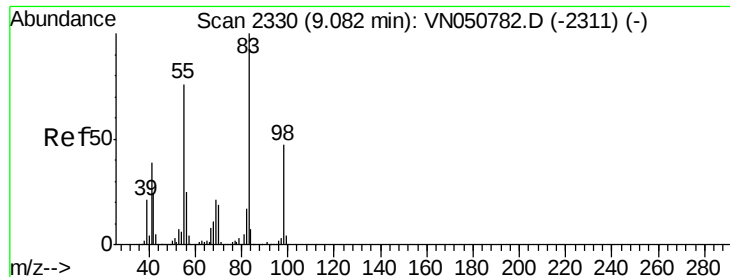
MMDadoda
8/23/2018 10:52:30 AM



#38
Carbon Tetrachloride
Concen: 20.31 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.3	114.5
121	29.6	24.6	36.8





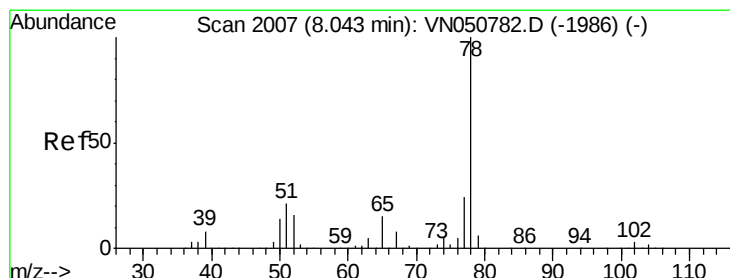
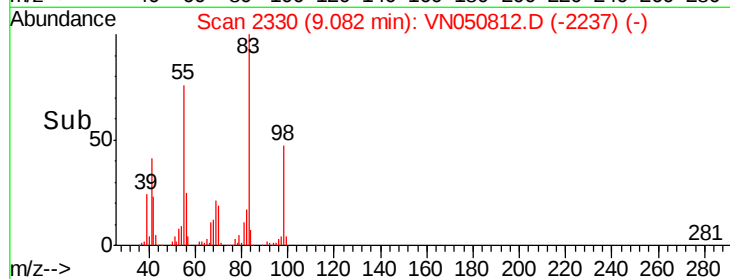
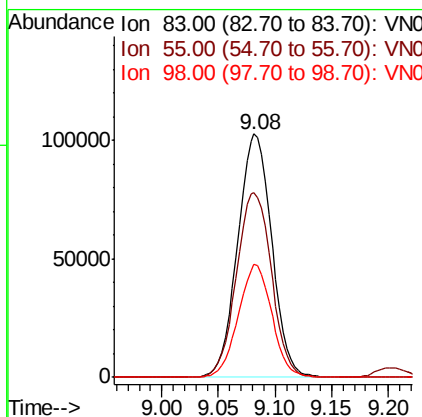
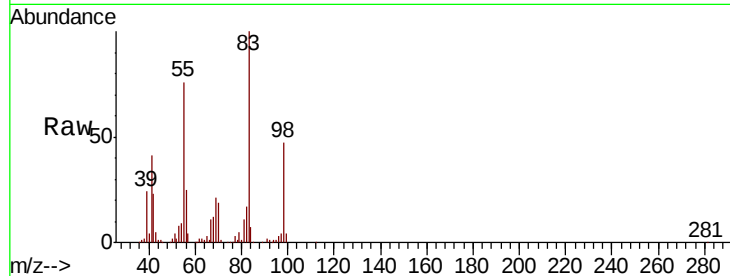
#39
Methvlcvclohexane
Concen: 19.24 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Instrument :
MSVOA_N
ClientSampled :
VN0822MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.1	61.0	91.4
98	46.6	37.5	56.3

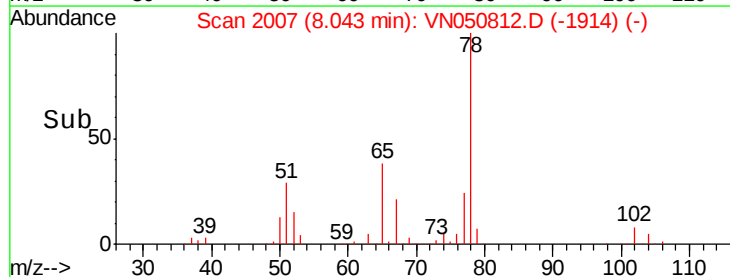
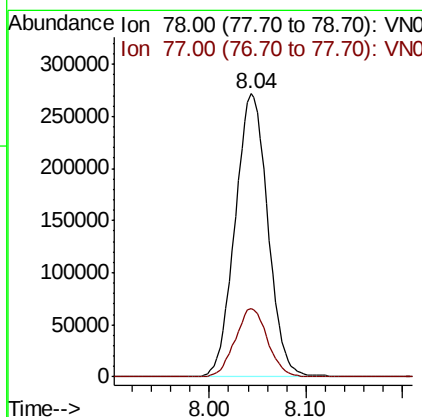
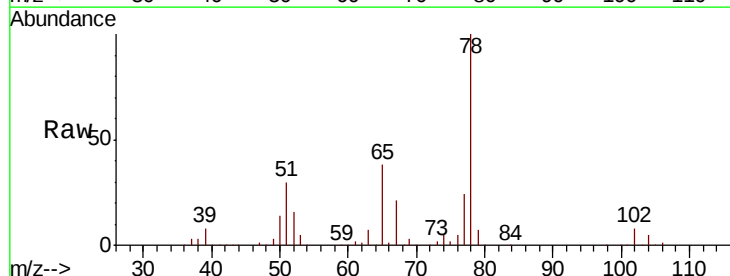
Manual Integrations
APPROVED

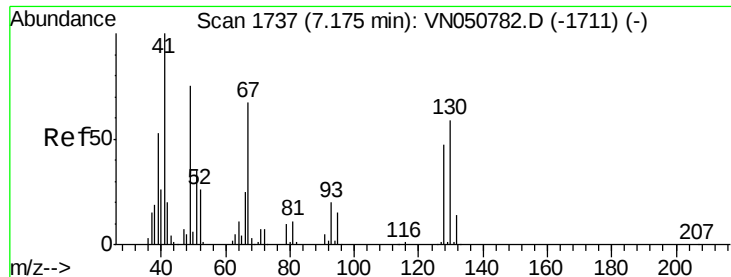
MMDadoda
8/23/2018 10:52:30 AM



#40
Benzene
Concen: 20.49 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.4





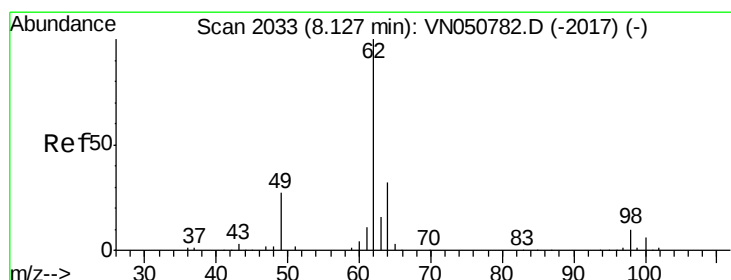
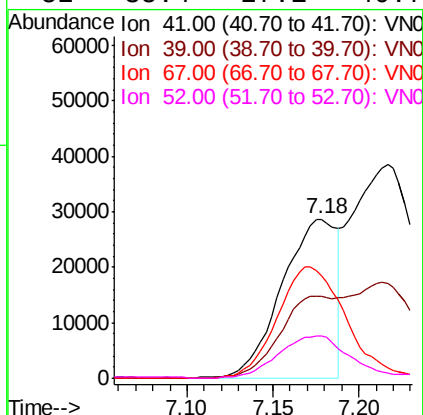
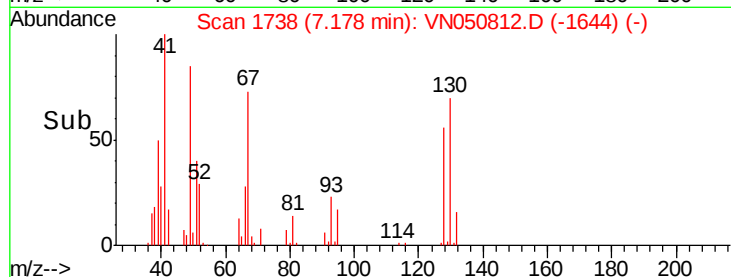
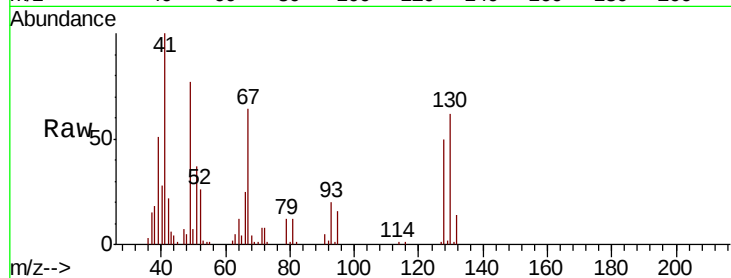
#41
Methacrylonitrile
Concen: 19.83 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0822MBS01

Tot Ion:	41	Resp:	63850
Ion	Ratio	Lower	Upper
41	100		
39	48.6	45.4	68.0
67	86.9	70.6	106.0
52	35.4	27.1	40.7

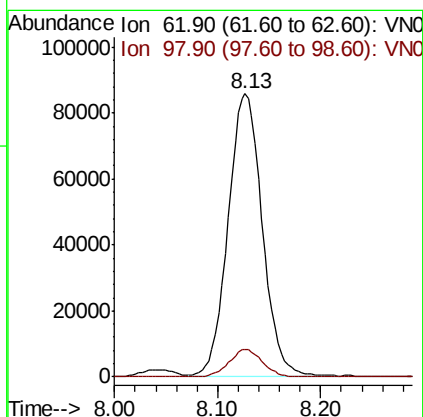
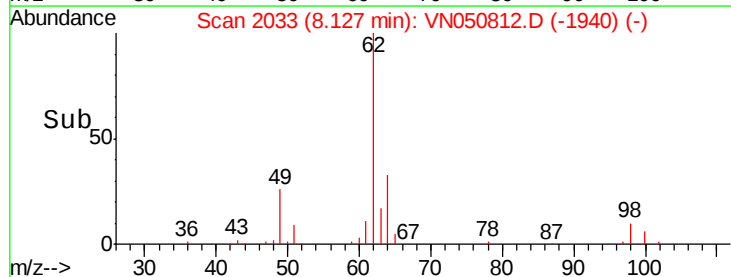
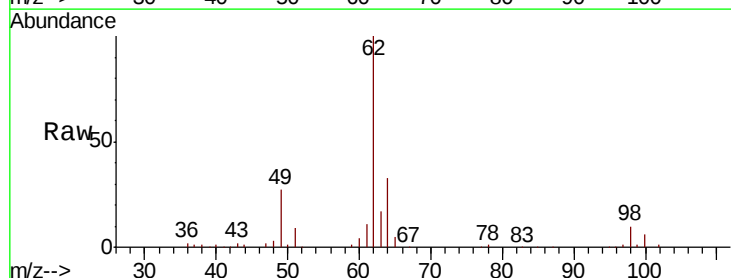
Manual Integrations
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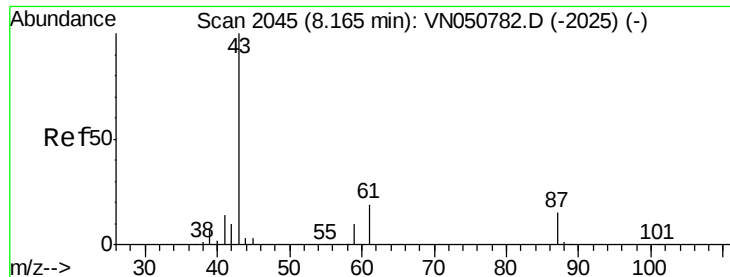
MMDadoda
8/23/2018 10:52:30 AM



#42
1,2-Dichloroethane
Concen: 21.07 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Tgt Ion:	62	Resp:	196734
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.6





#43

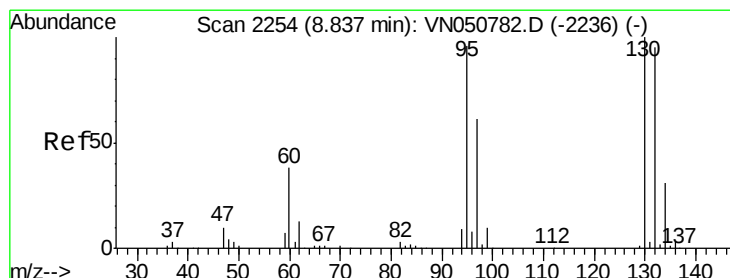
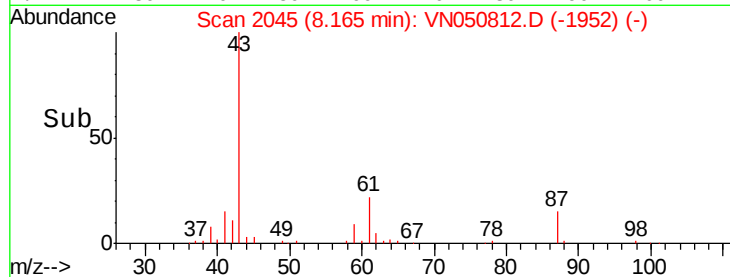
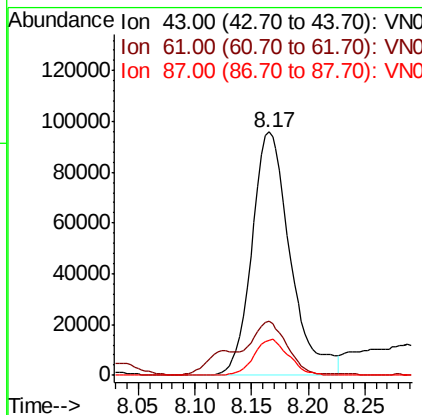
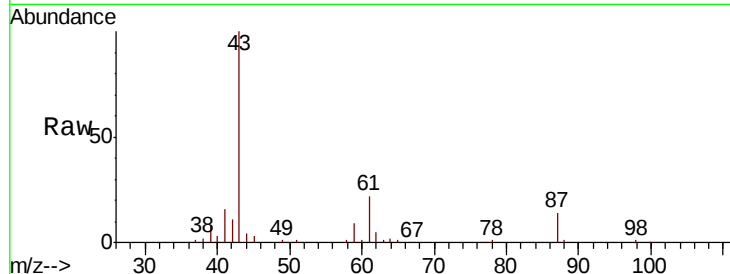
Isopropyl Acetate
 Concen: 22.00 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN050812.D
 Acq: 22 Aug 2018 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822MBS01

Tot Ion	43	61	87
Resp	224990		
Ratio	100	20.3	13.5
Lower		17.5	11.3
Upper		26.3	16.9

Manual Integrations
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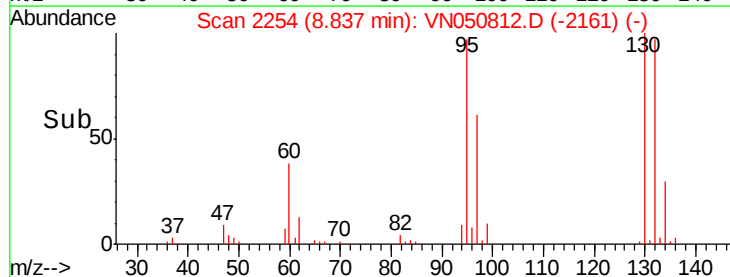
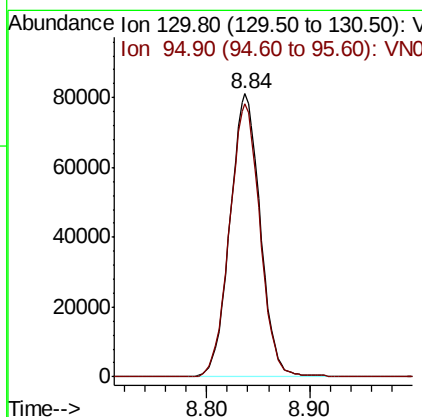
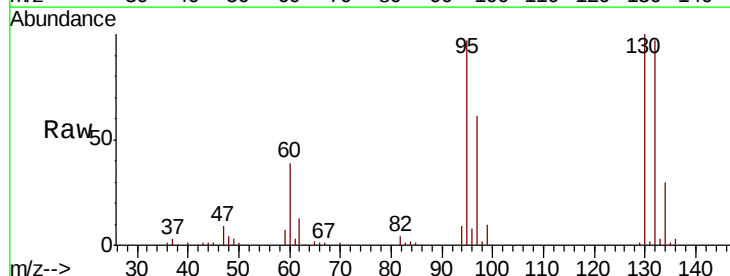
MMDadoda
 8/23/2018 10:52:30 AM

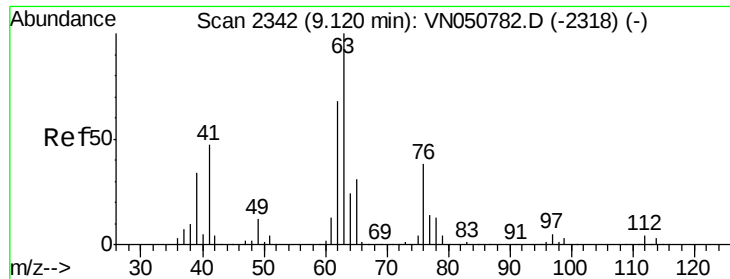


#44

Trichloroethene
 Concen: 20.11 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN050812.D
 Acq: 22 Aug 2018 12:10

Tgt Ion	130	95
Resp	165607	
Ratio	100	96.6
Lower		0.0
Upper		193.0





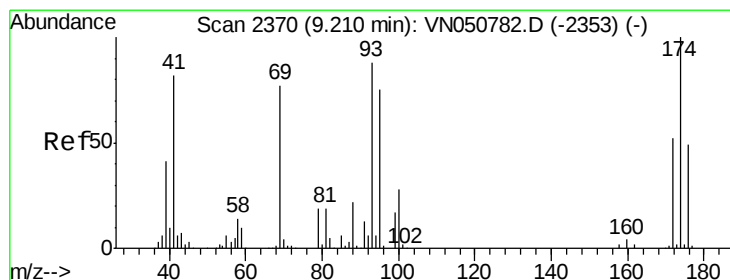
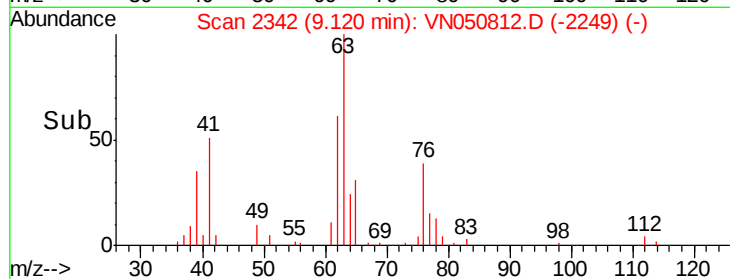
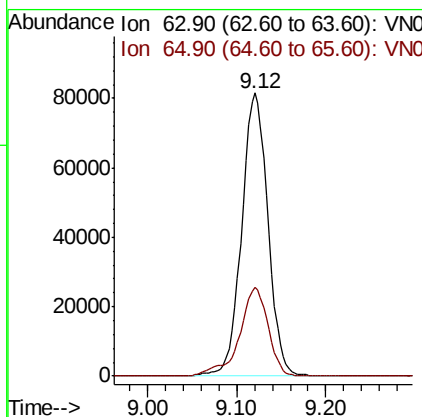
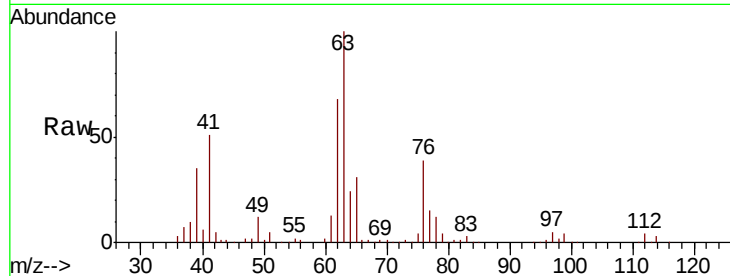
#45
 1,2-Dichloropropane
 Concen: 20.34 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050812.D
 Acq: 22 Aug 2018 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822MBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.0	37.6

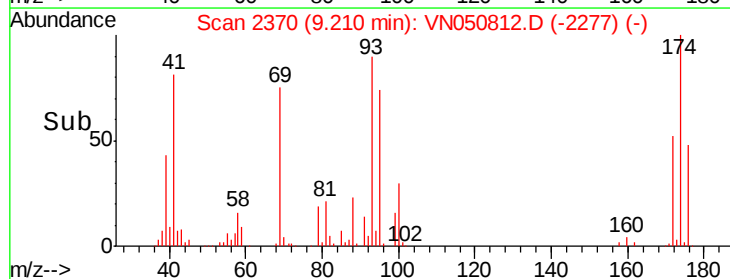
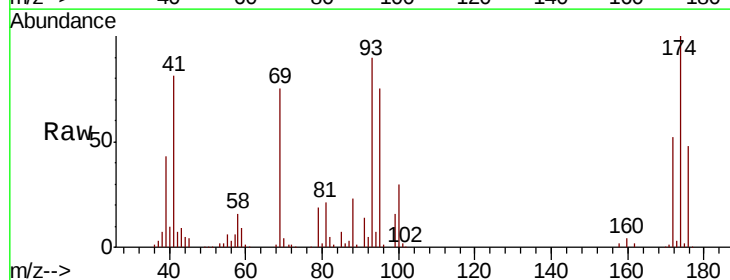
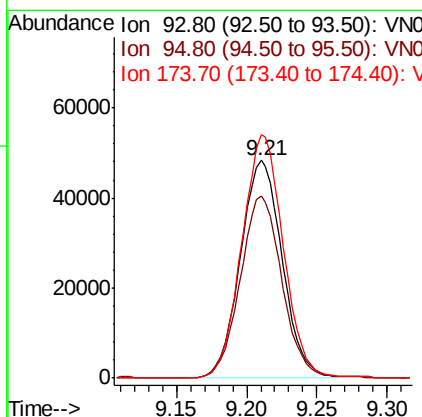
Manual Integrations
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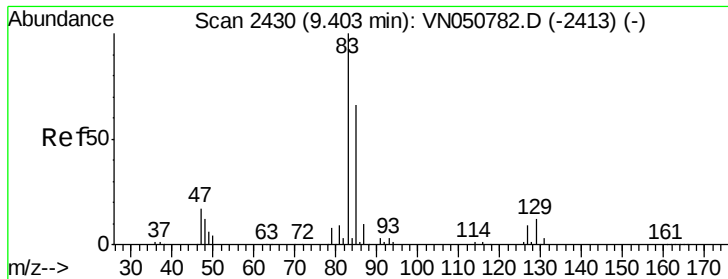
MMDadoda
 8/23/2018 10:52:30 AM



#46
 Dibromomethane
 Concen: 20.83 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050812.D
 Acq: 22 Aug 2018 12:10

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	66.7	100.1
174	110.8	89.8	134.6





#47

Bromodichloromethane

Concen: 20.59 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

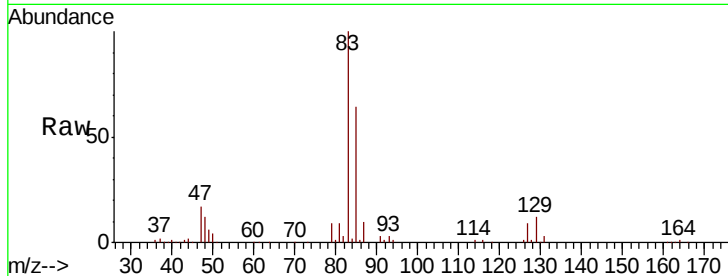
ClientSampleId :

VN0822MBS01

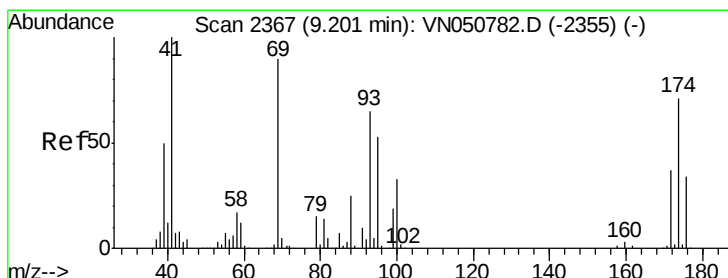
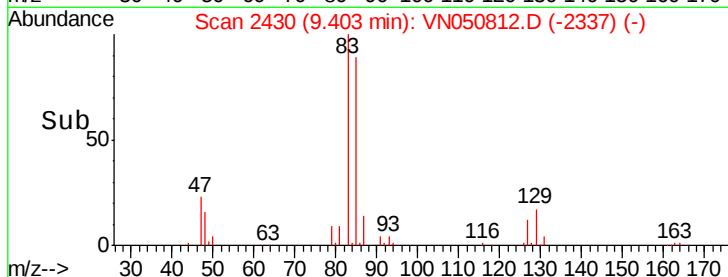
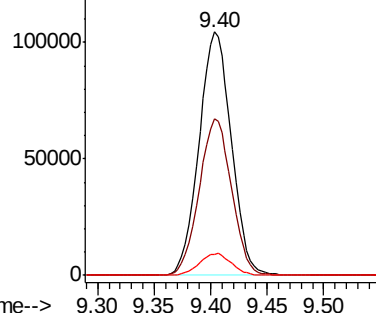
Tot Ion:	83	Resp:	207985
Ion Ratio	Lower	Upper	
83	100		
85	64.1	52.6	78.8
127	8.8	7.2	10.8

Manual Integrations
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8/23/2018 10:52:30 AM



Abundance Ion 82.90 (82.60 to 83.60): VN050812.D (-2413) (-)



#48

Methyl methacrylate

Concen: 20.50 ug/l

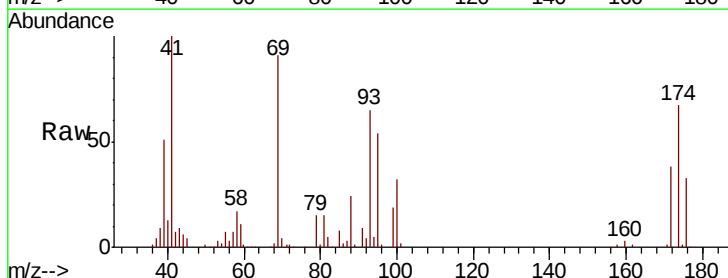
RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

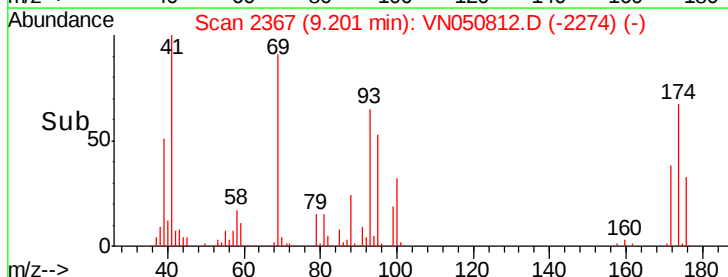
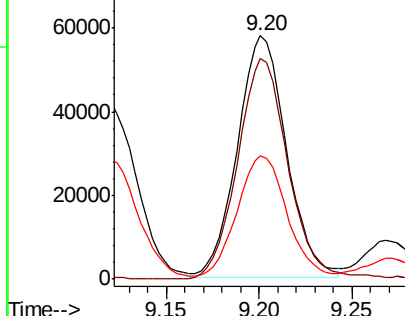
Lab File: VN050812.D

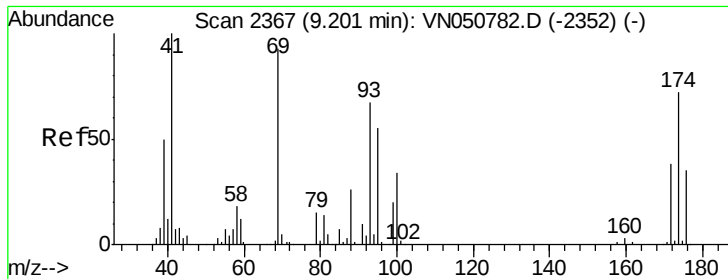
Acq: 22 Aug 2018 12:10

Tgt Ion:	41	Resp:	106892
Ion Ratio	Lower	Upper	
41	100		
69	94.2	74.7	112.1
39	51.6	42.2	63.2



Abundance Ion 41.00 (40.70 to 41.70): VN050812.D (-2355) (-)





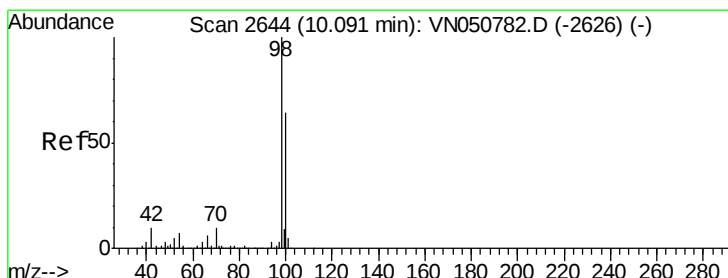
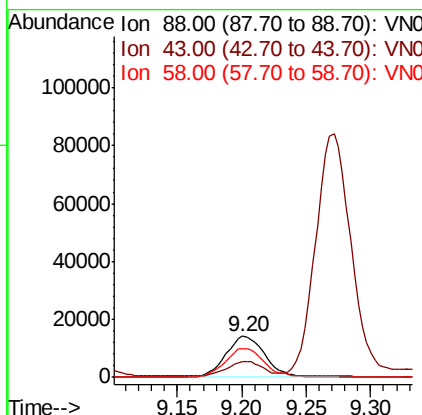
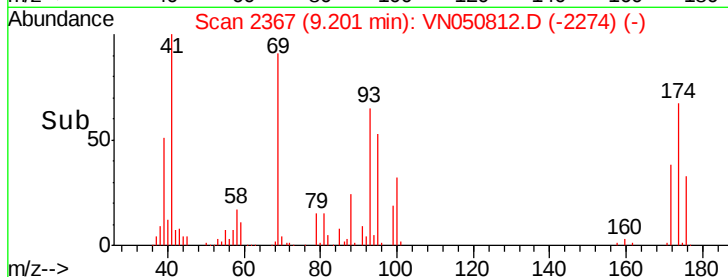
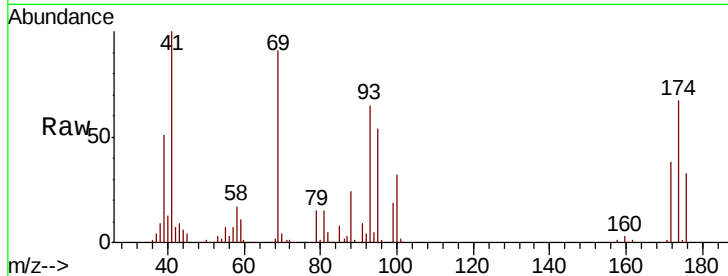
#49
1,4-Dioxane
Concen: 418.77 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Instrument :
MSVOA_N
ClientSampled :
VN0822MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.8	25.9	38.9
58	70.0	55.0	82.4

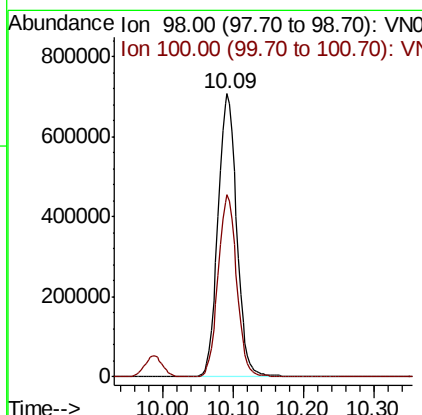
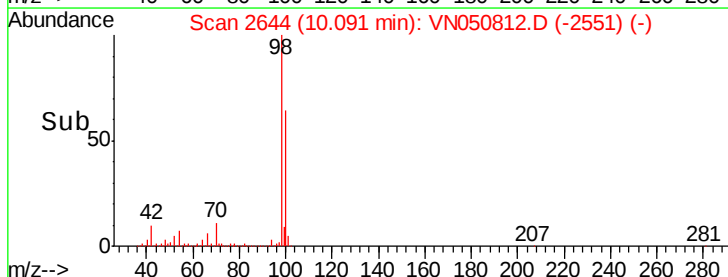
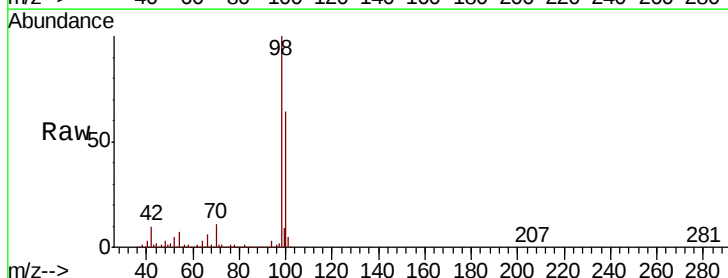
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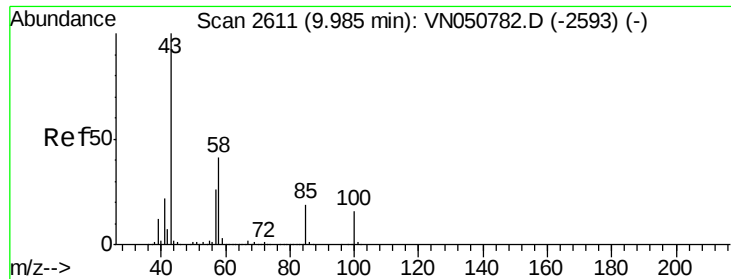
MMDadoda
8/23/2018 10:52:30 AM



#50
Toluene-d8
Concen: 50.18 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 100.43 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBS01

Tot Ion: 43 Resp: 613023

Ion Ratio Lower Upper

43 100

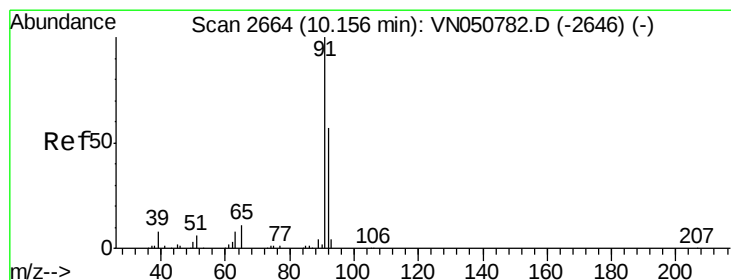
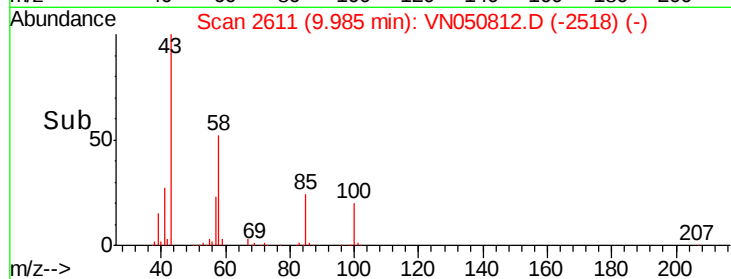
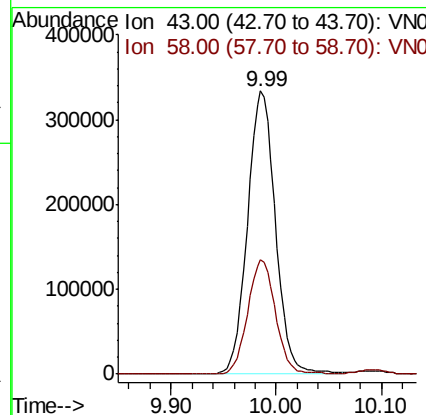
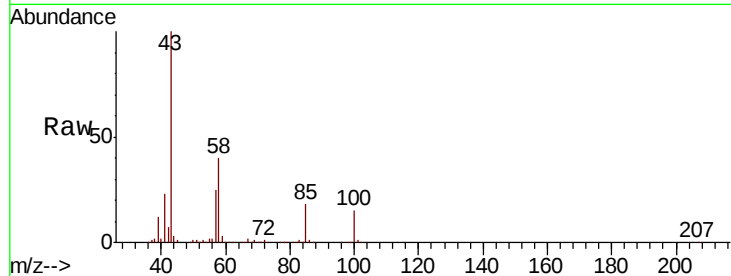
58 40.4 32.4 48.6

Manual Integrations

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MMDadoda

8/23/2018 10:52:30 AM



#52

Toluene

Concen: 21.22 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050812.D

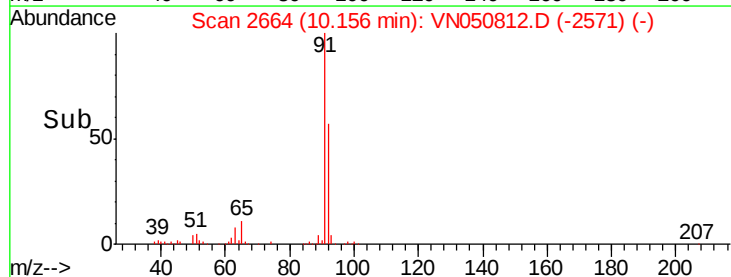
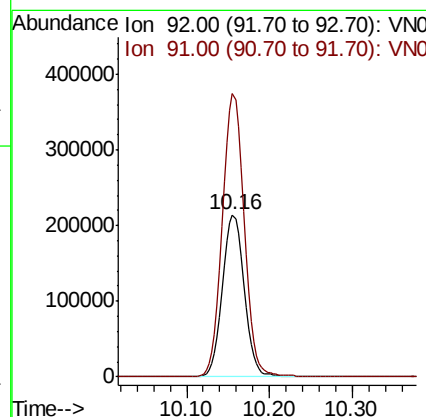
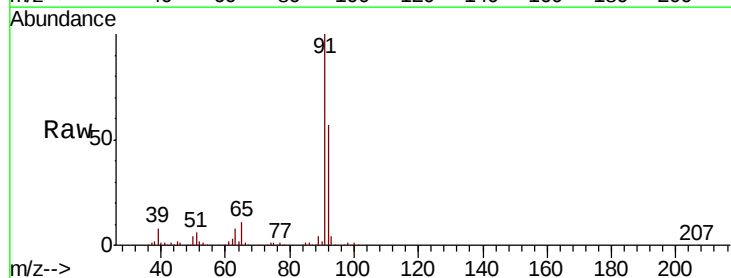
Acq: 22 Aug 2018 12:10

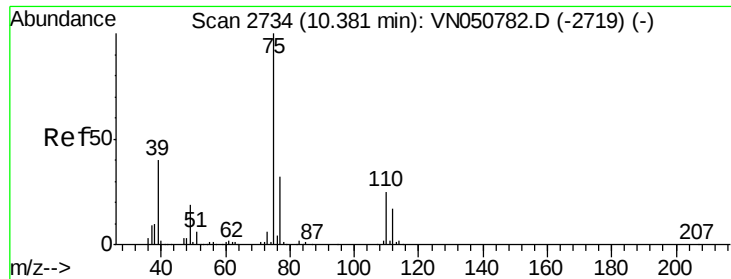
Tgt Ion: 92 Resp: 392540

Ion Ratio Lower Upper

92 100

91 174.6 140.6 211.0





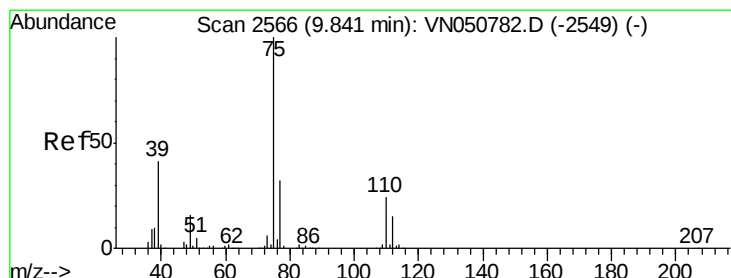
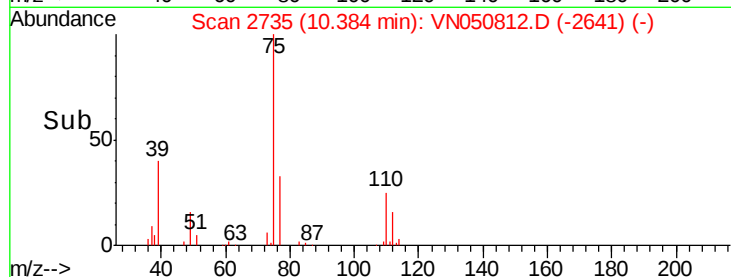
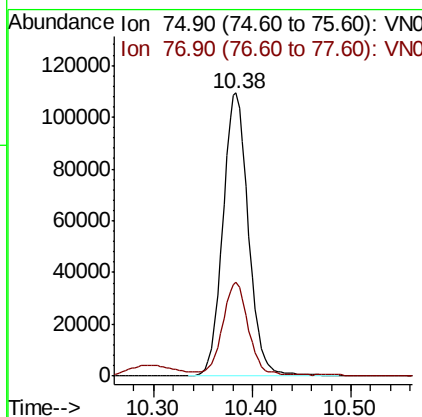
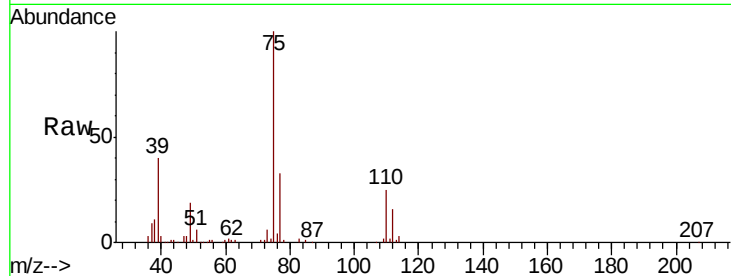
#53
t-1,3-Dichloropropene
Concen: 19.81 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Instrument :
MSVOA_N
ClientSampled :
VN0822MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.7	38.5

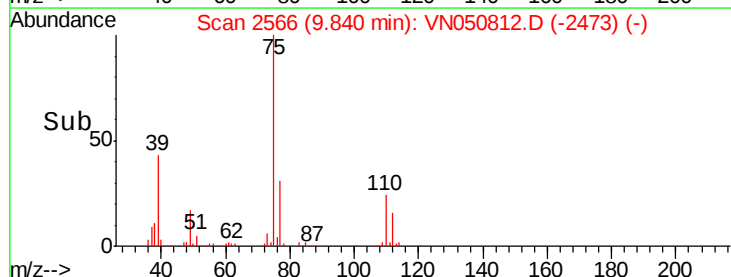
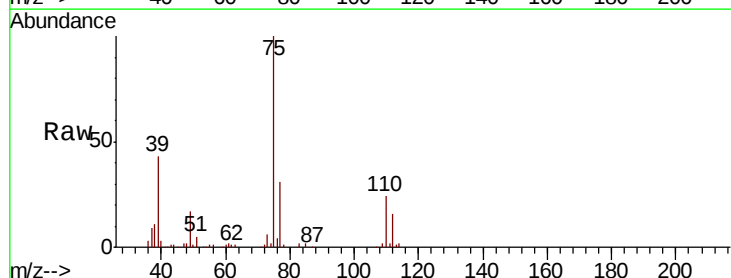
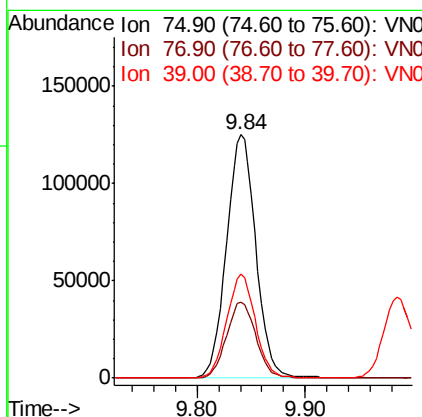
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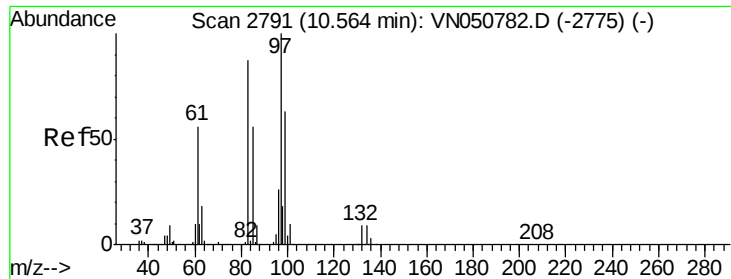
MMDadoda
8/23/2018 10:52:30 AM



#54
cis-1,3-Dichloropropene
Concen: 20.57 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.2
39	42.4	33.0	49.4





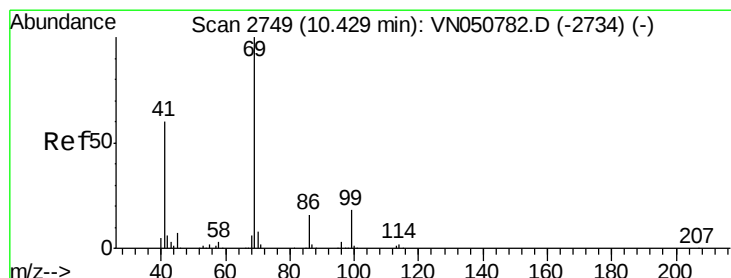
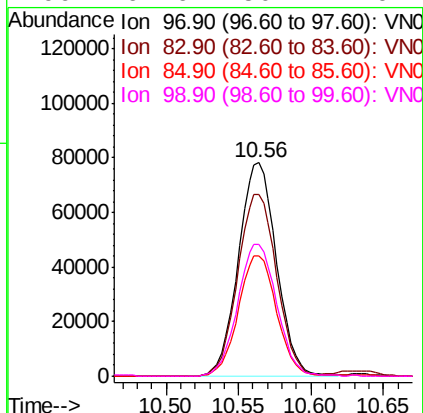
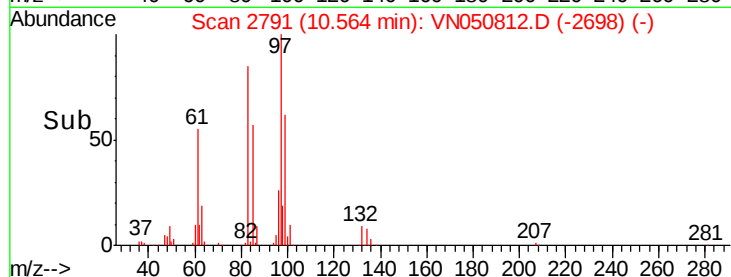
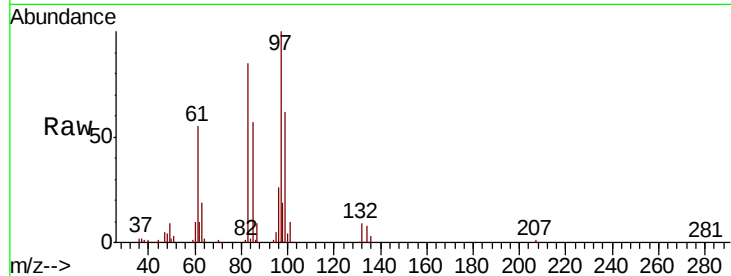
#55
 1,1,2-Trichloroethane
 Concen: 20.83 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050812.D
 Acq: 22 Aug 2018 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100				
83	85.3	69.7	104.5		
85	56.5	44.5	66.7		
99	61.6	50.7	76.1		

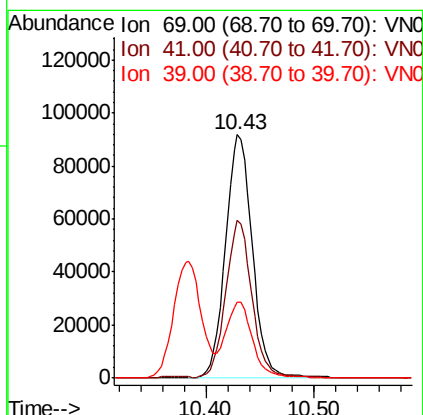
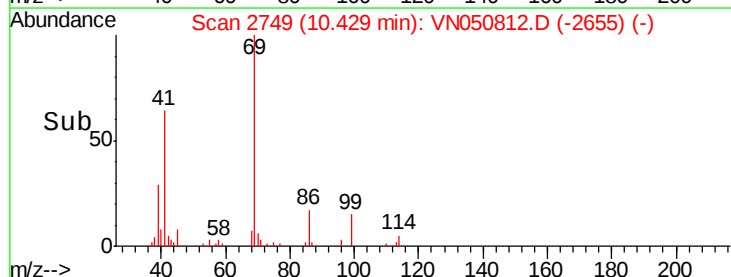
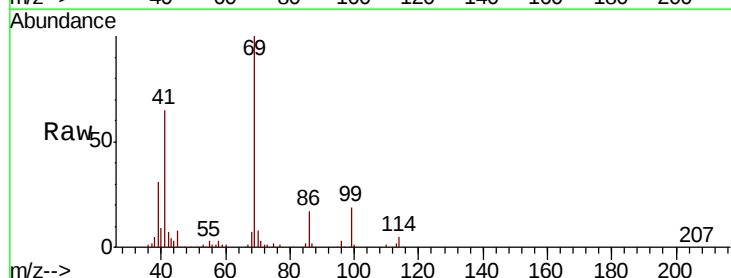
Manual Integrations
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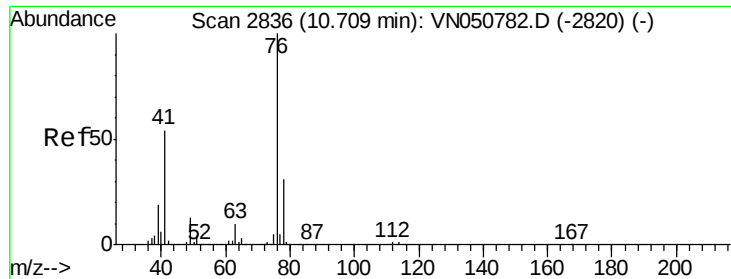
MMDadoda
 8/23/2018 10:52:30 AM



#56
 Ethyl methacrylate
 Concen: 19.36 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050812.D
 Acq: 22 Aug 2018 12:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	61.7	48.3	72.5		
39	30.7	24.0	36.0		





#57

1,3-Dichloropropane

Concen: 20.79 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBS01

Tot Ion: 76 Resp: 235631

Ion Ratio Lower Upper

76 100

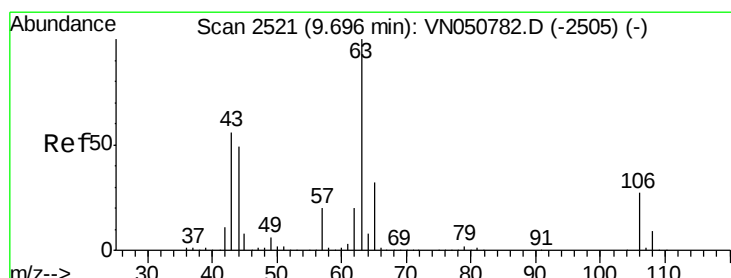
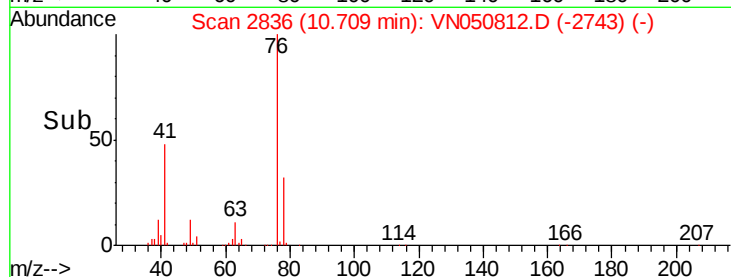
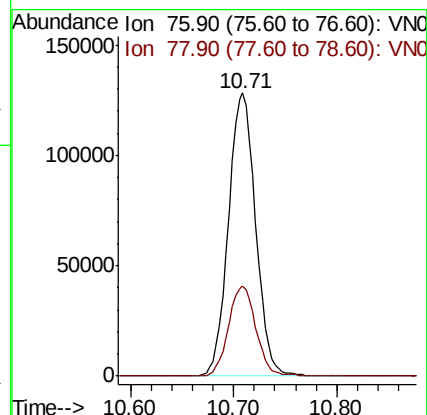
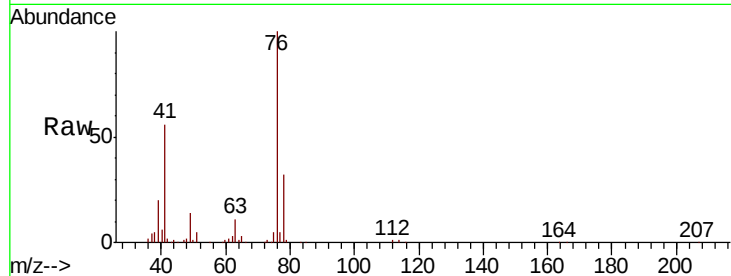
78 32.0 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

8/23/2018 10:52:30 AM



#58

2-Chloroethyl Vinyl ether

Concen: 96.53 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN050812.D

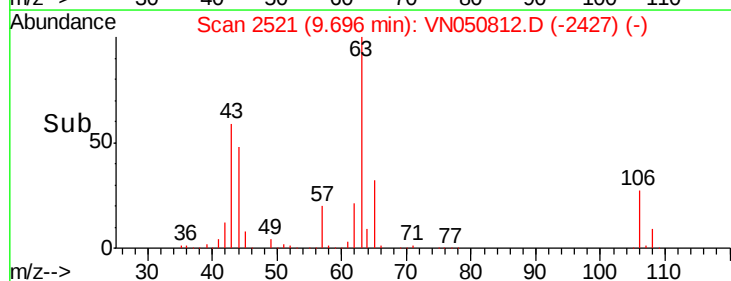
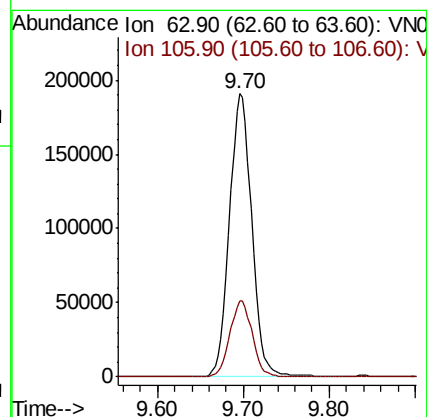
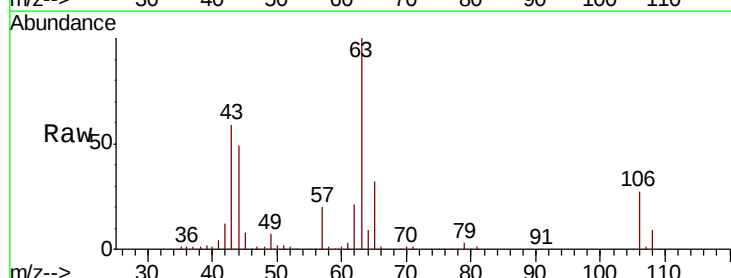
Acq: 22 Aug 2018 12:10

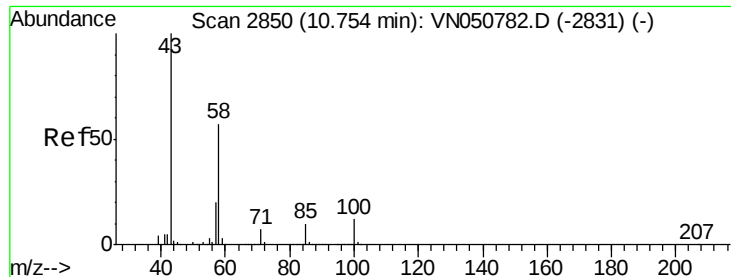
Tgt Ion: 63 Resp: 345499

Ion Ratio Lower Upper

63 100

106 26.9 21.9 32.9





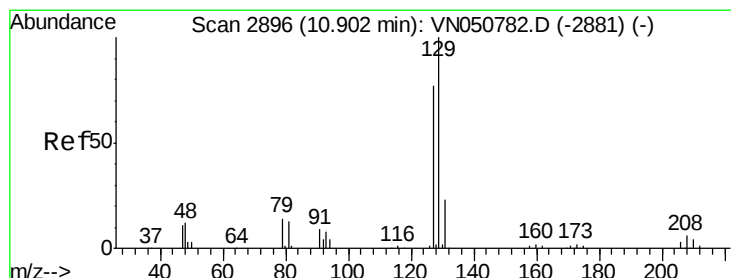
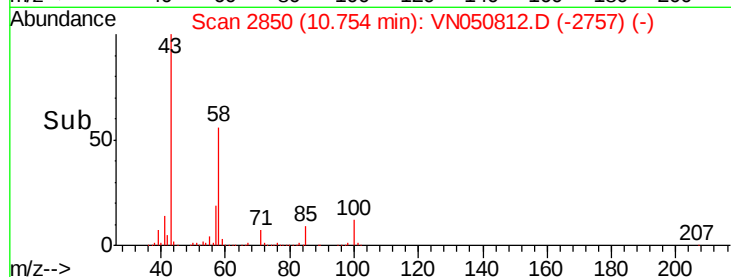
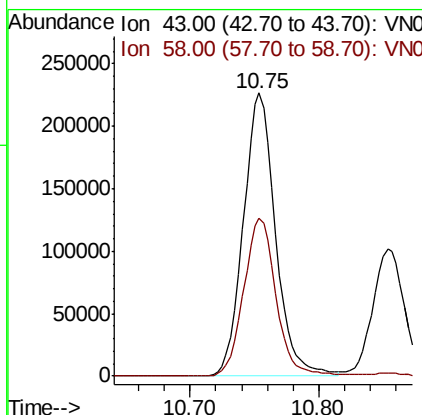
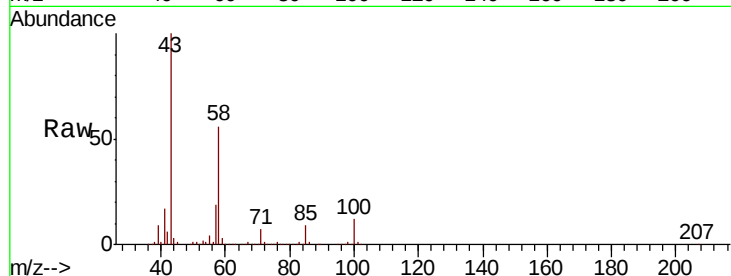
#59
2-Hexanone
Concen: 96.44 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Instrument :
MSVOA_N
ClientSampled :
VN0822MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.6	28.3	85.0

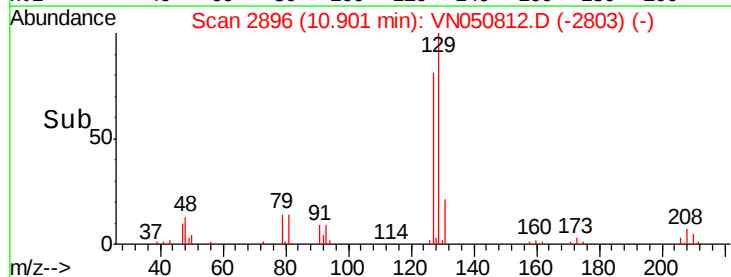
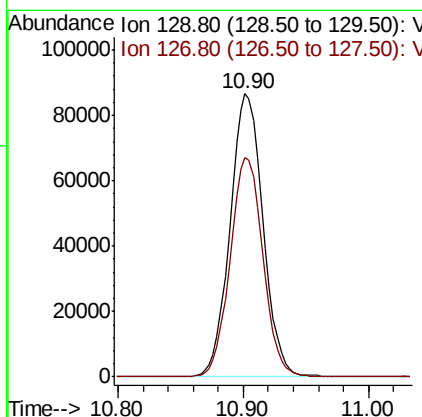
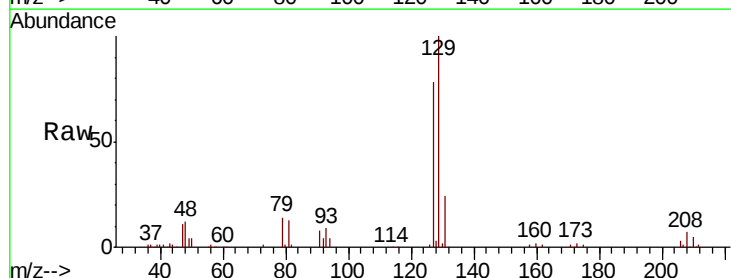
Manual Integrations
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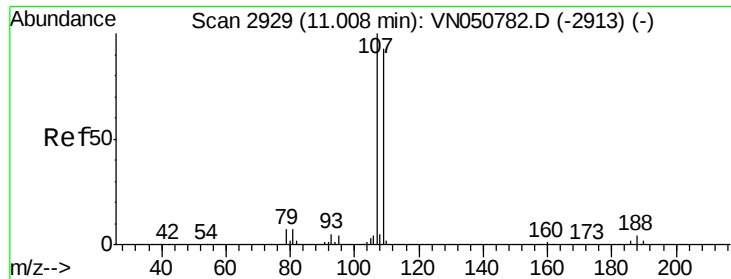
MMDadoda
8/23/2018 10:52:30 AM



#60
Dibromochloromethane
Concen: 20.54 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.3	114.9





#61

1,2-Dibromoethane

Concen: 20.67 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBS01

Tot Ion: 107 Resp: 137260

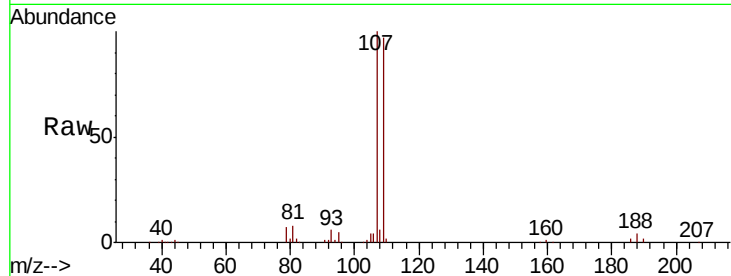
Ion Ratio Lower Upper

107 100

109 95.7 75.4 113.2

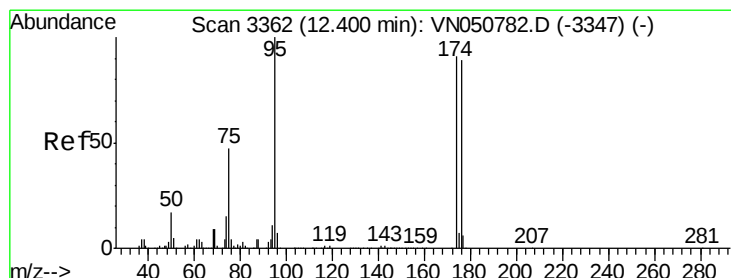
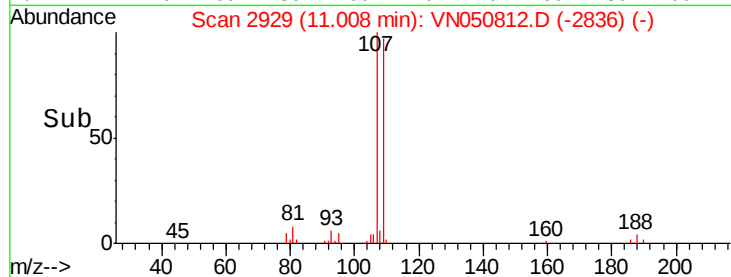
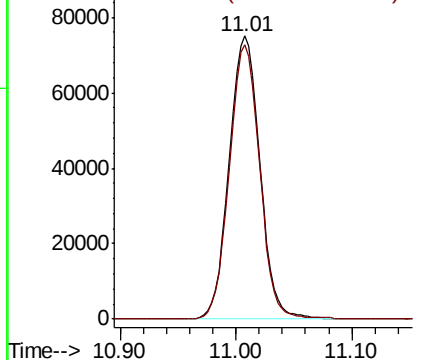
Manual Integrations
APPROVED

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8/23/2018 10:52:30 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.97 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

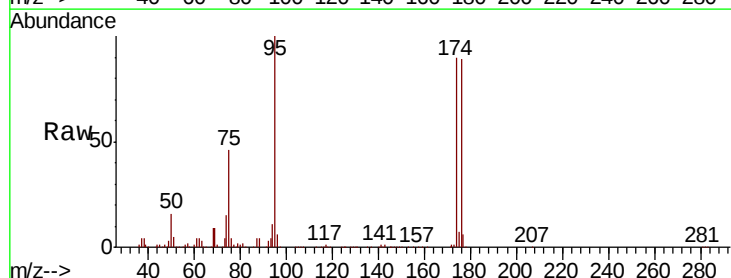
Tgt Ion: 95 Resp: 416123

Ion Ratio Lower Upper

95 100

174 91.0 0.0 183.0

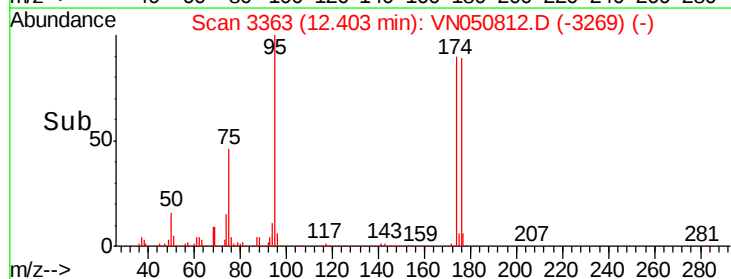
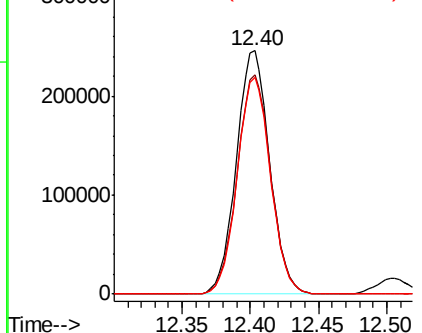
176 89.0 0.0 178.8

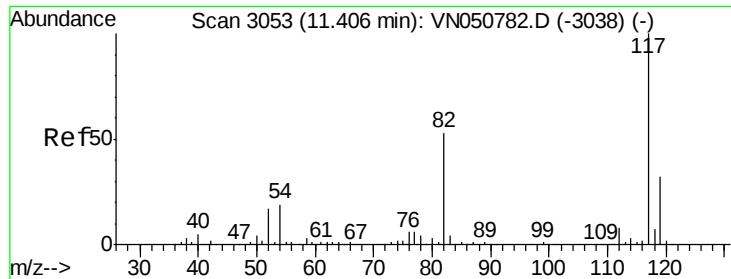


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





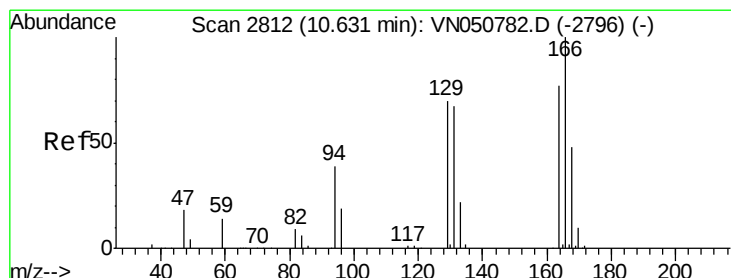
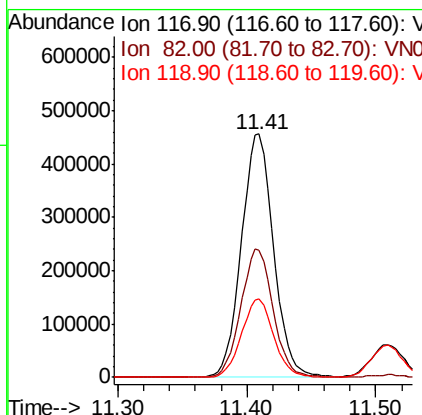
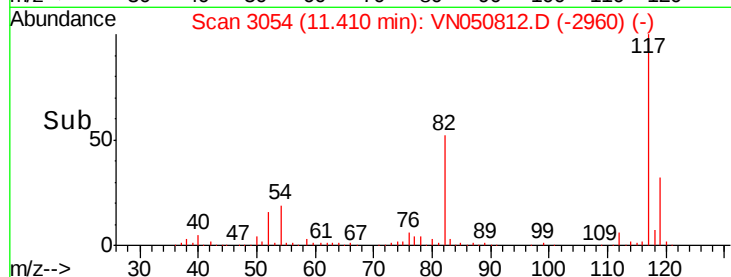
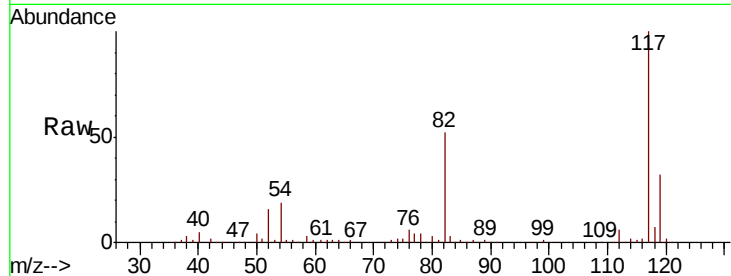
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0822MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.6	64.0
119	32.1	25.8	38.6

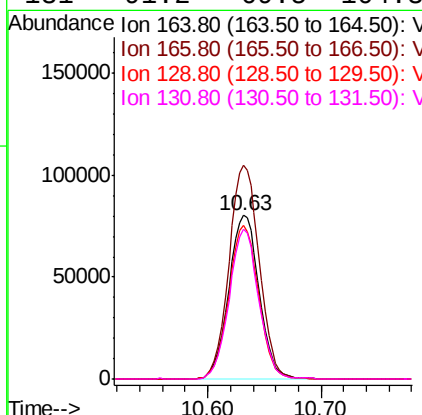
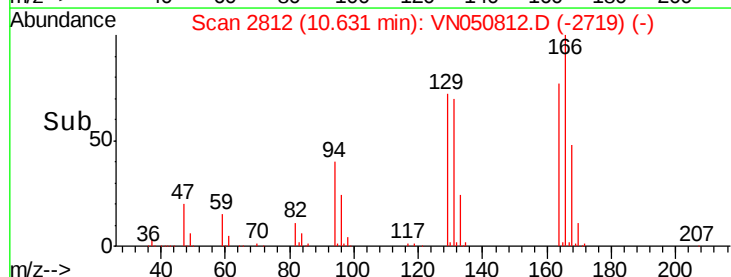
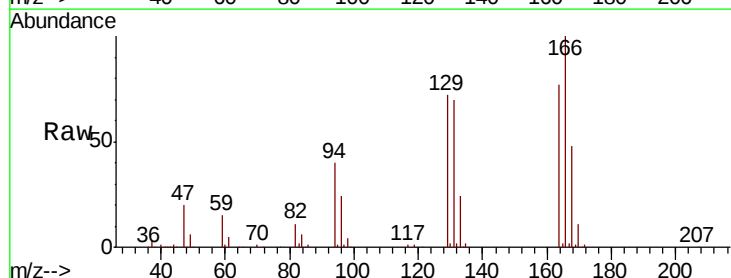
Manual Integrations
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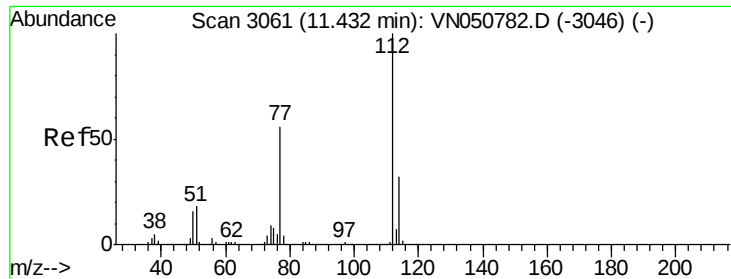
MMDadoda
8/23/2018 10:52:30 AM



#64
Tetrachloroethene
Concen: 19.94 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.4	103.5	155.3
129	94.0	72.7	109.1
131	91.2	69.5	104.3





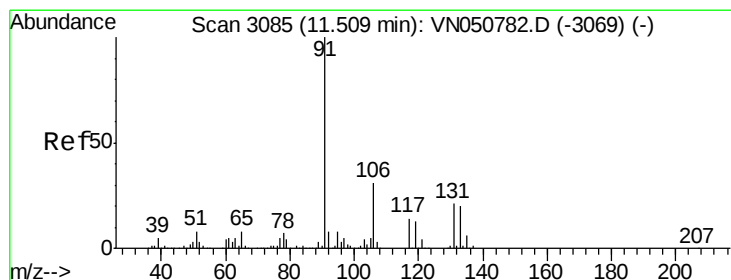
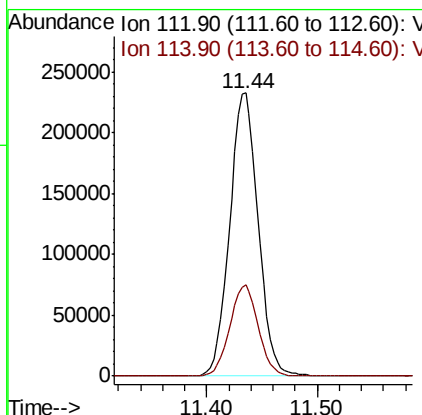
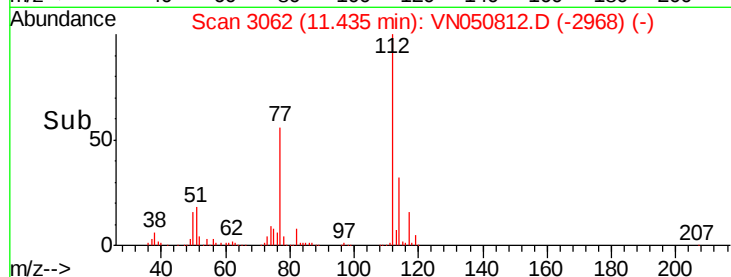
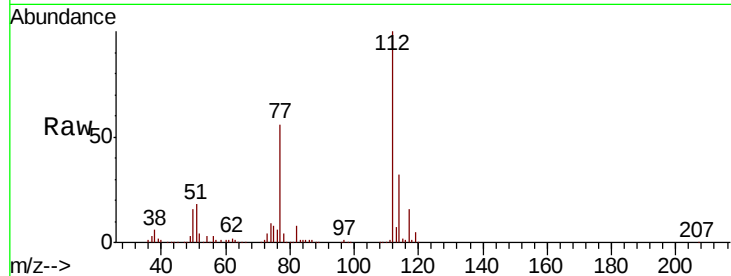
#65
Chlorobenzene
Concen: 20.13 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Instrument :
MSVOA_N
ClientSampled :
VN0822MBS01

Tot Ion:112 Resp: 416620
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4

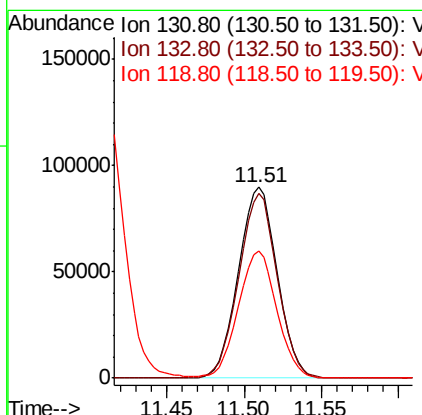
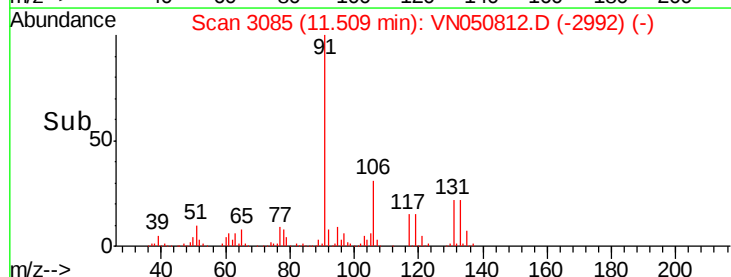
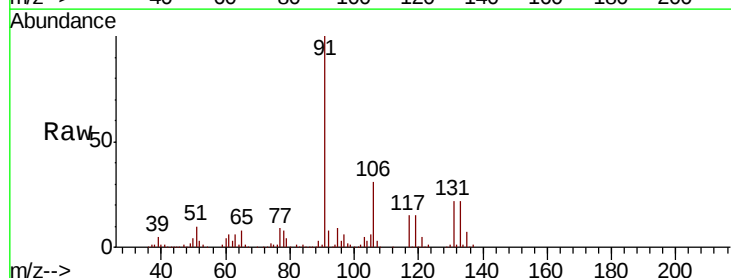
Manual Integrations
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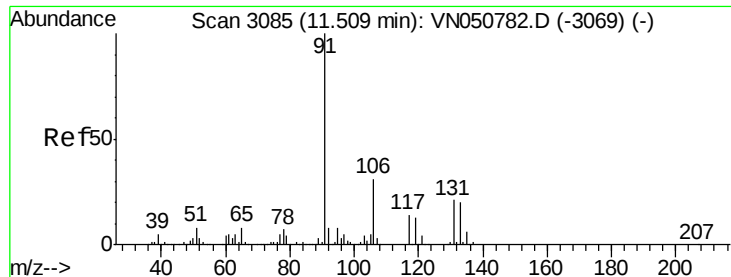
MMDadoda
8/23/2018 10:52:30 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.63 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Tgt Ion:131 Resp: 156215
Ion Ratio Lower Upper
131 100
133 96.1 47.4 142.3
119 66.4 32.8 98.4





#67

Ethyl Benzene

Concen: 20.21 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampled :

VN0822MBS01

Tot Ion: 91 Resp: 679903

Ion Ratio Lower Upper

91 100

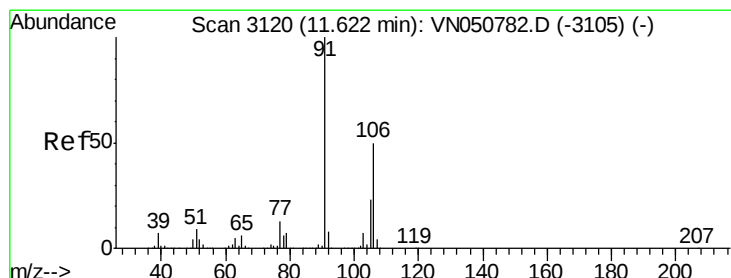
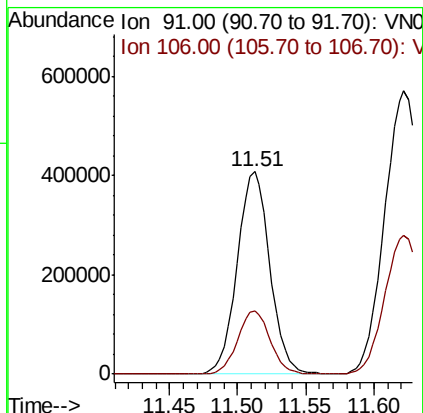
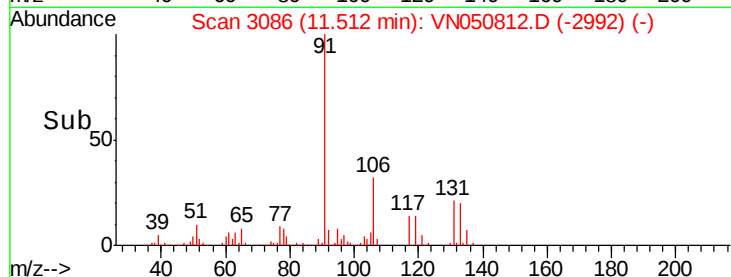
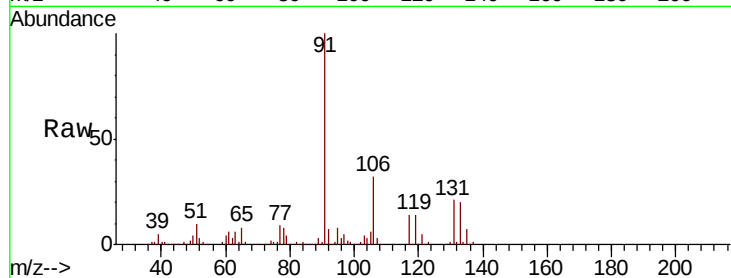
106 31.5 25.0 37.4

Manual Integrations

APPROVED

MMDadoda

8/23/2018 10:52:30 AM



#68

m/p-Xylenes

Concen: 42.28 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050812.D

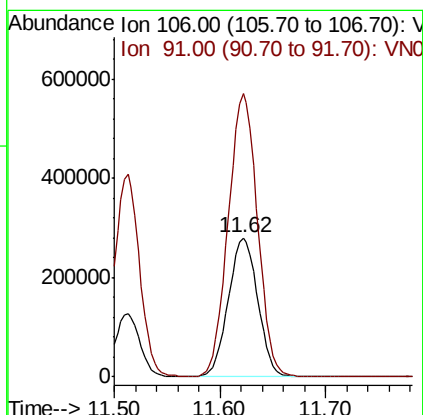
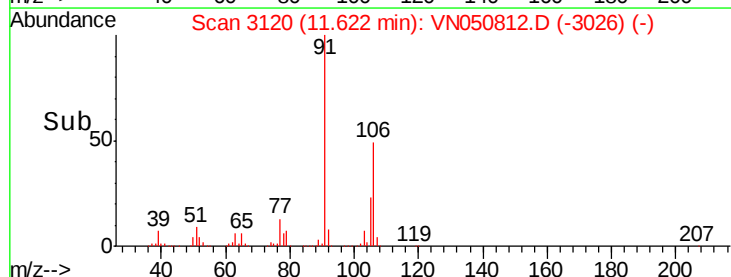
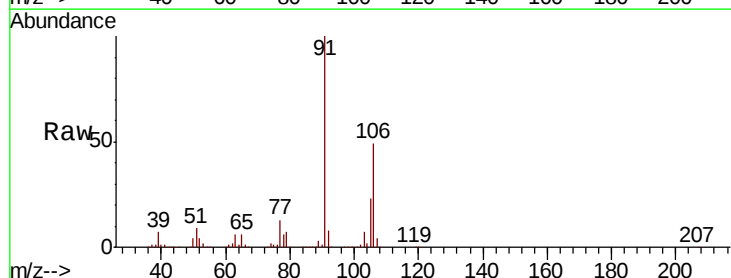
Acq: 22 Aug 2018 12:10

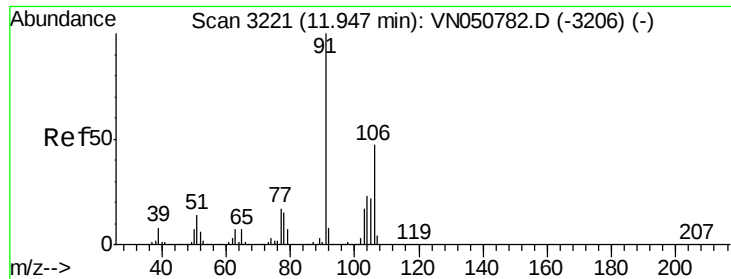
Tgt Ion: 106 Resp: 539991

Ion Ratio Lower Upper

106 100

91 202.5 161.0 241.6





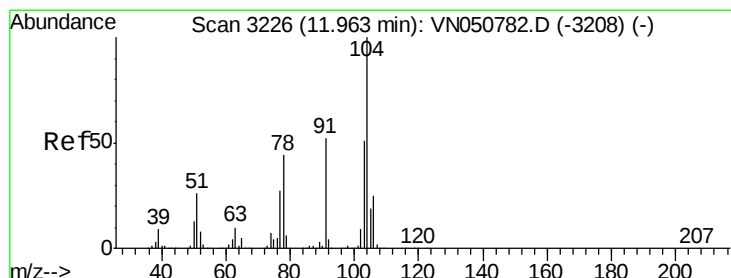
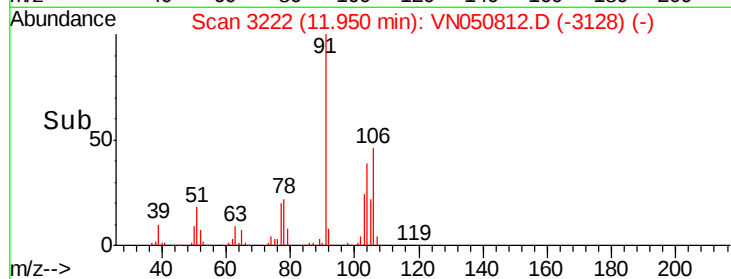
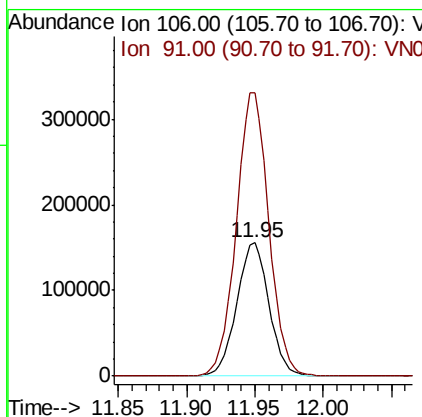
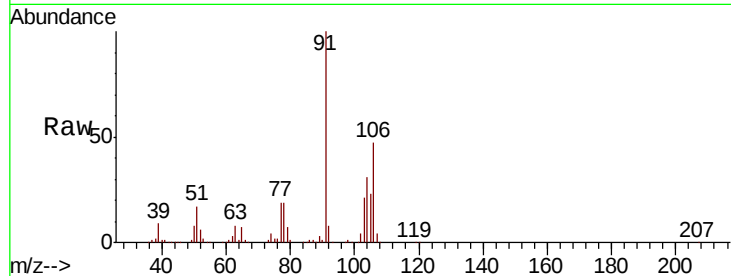
#69
o-Xylene
Concen: 20.80 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0822MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		255373		
91	213.9	106.5	319.5		

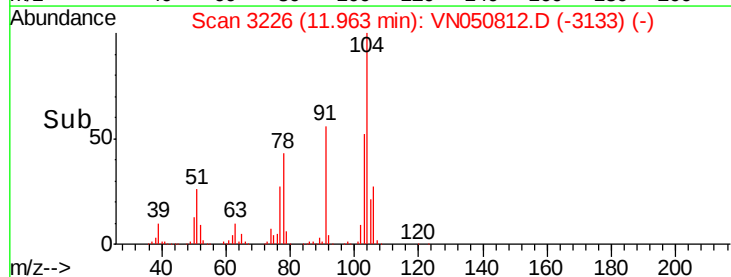
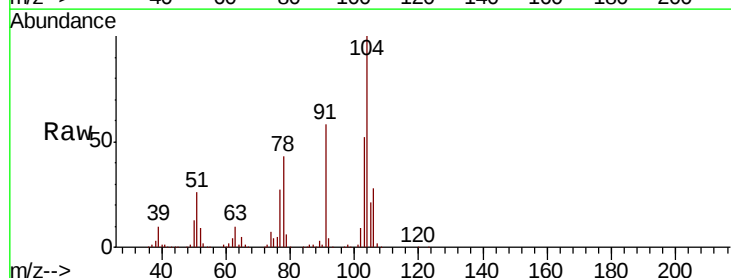
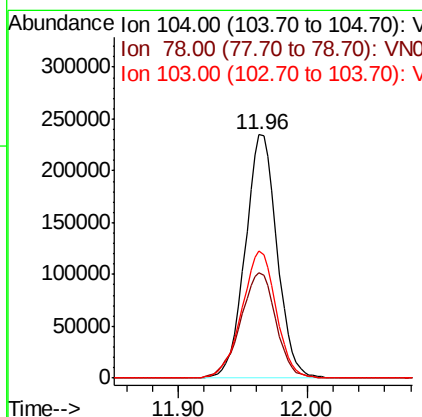
Manual Integrations
APPROVED

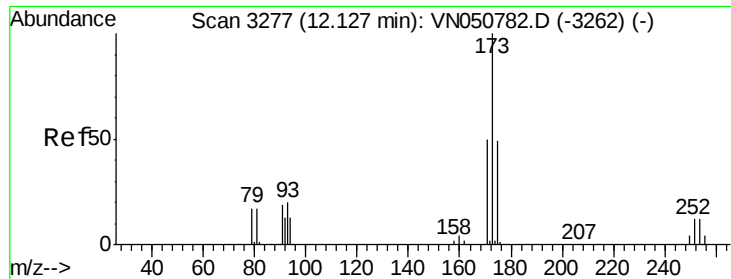
MMDadoda
8/23/2018 10:52:30 AM



#70
Styrene
Concen: 19.43 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		403234		
78	48.3	38.2	57.4		
103	56.2	44.4	66.6		





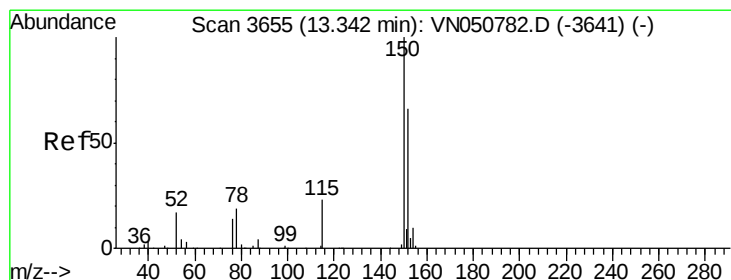
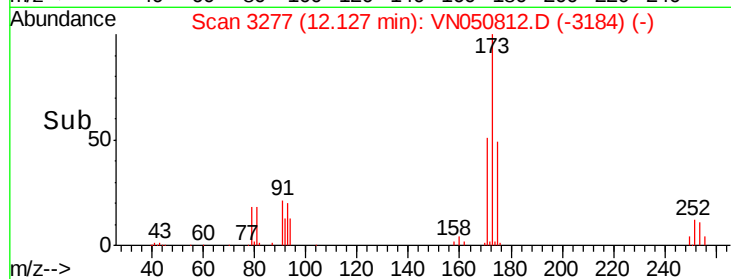
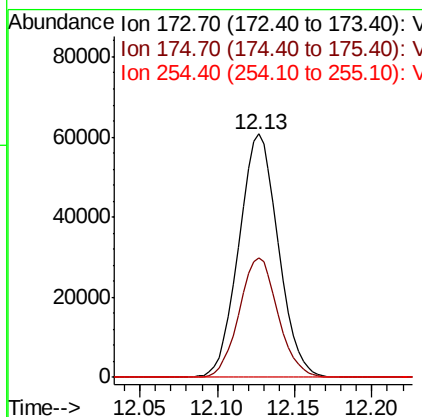
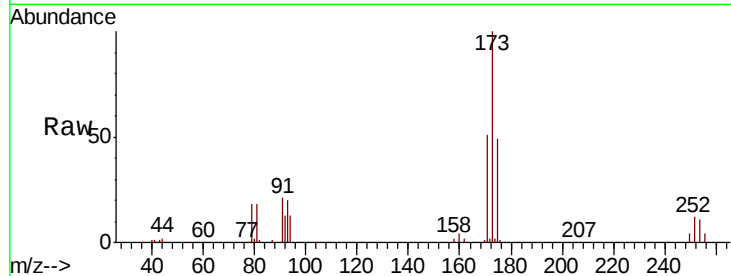
#71
Bromoform
Concen: 20.63 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0822MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.4	73.4
254	0.1	0.1	0.1#

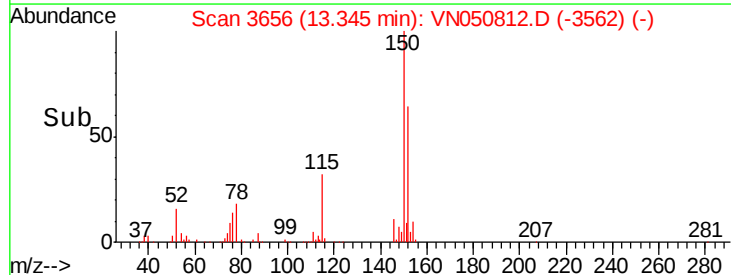
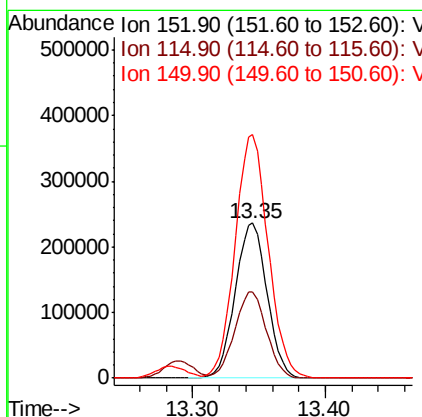
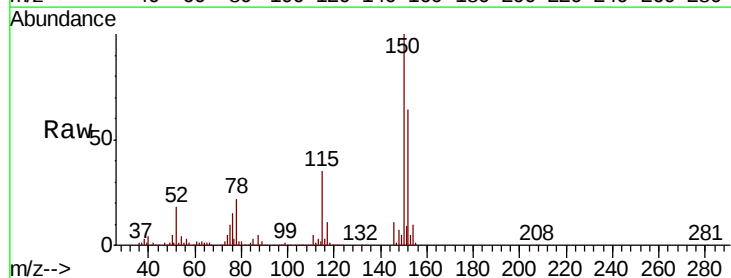
Manual Integrations
APPROVED

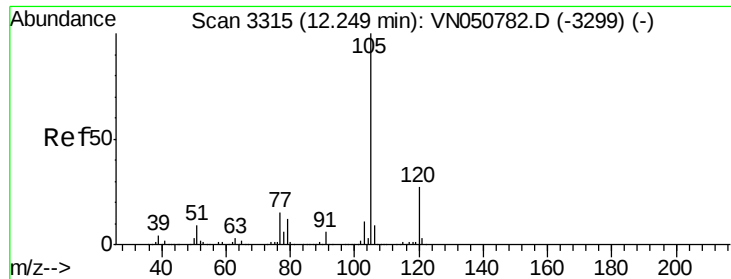
MMDadoda
8/23/2018 10:52:30 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	27.8	83.4
150	163.5	0.0	351.4





#73

Isopropylbenzene

Concen: 20.49 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBS01

Tot Ion:105 Resp: 667967

Ion Ratio Lower Upper

105 100

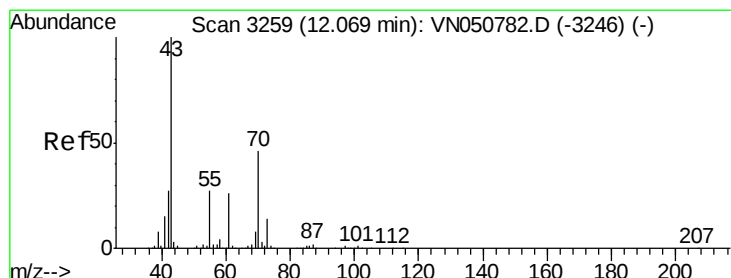
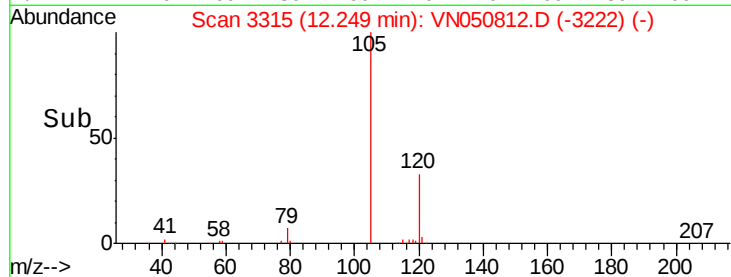
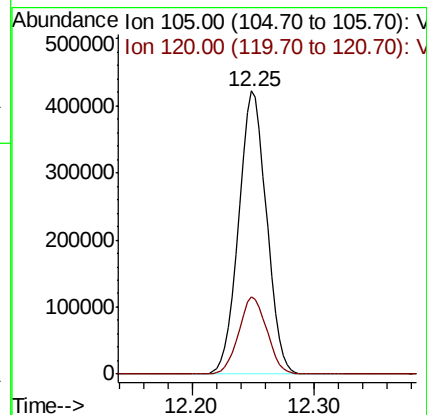
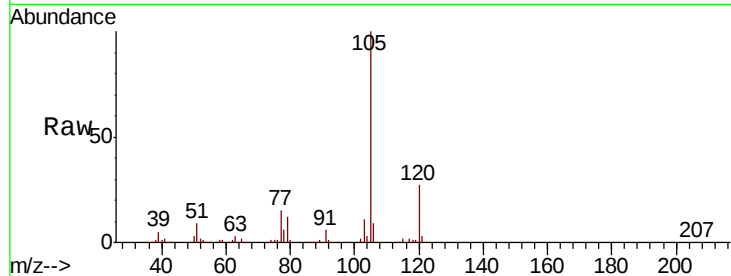
120 27.5 13.5 40.4

Manual Integrations

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MMDadoda

8/23/2018 10:52:30 AM



#74

N-ethyl acetate

Concen: 20.53 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Tgt Ion: 43 Resp: 168121

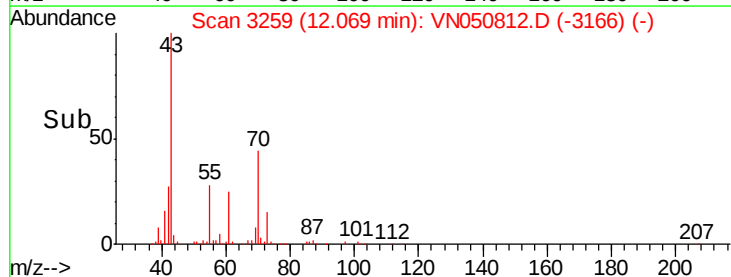
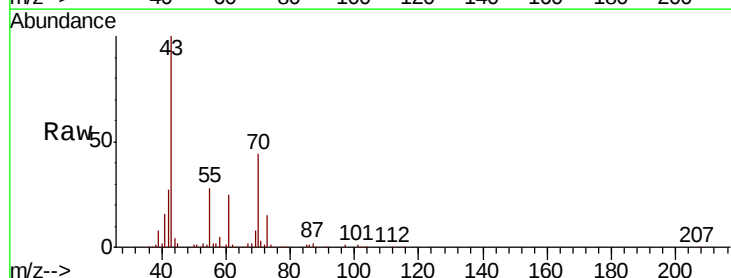
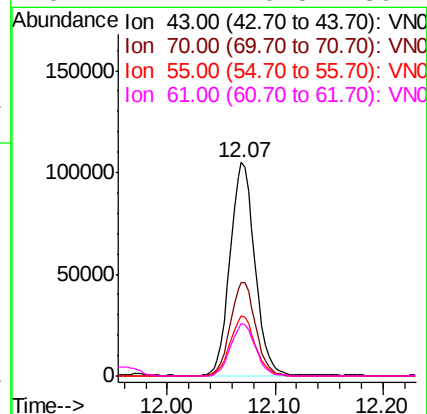
Ion Ratio Lower Upper

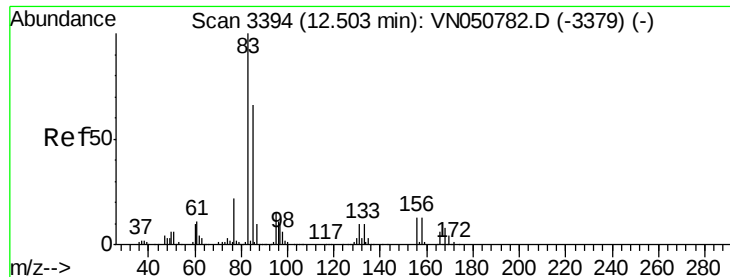
43 100

70 44.8 36.2 54.2

55 28.3 21.8 32.8

61 24.7 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.70 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

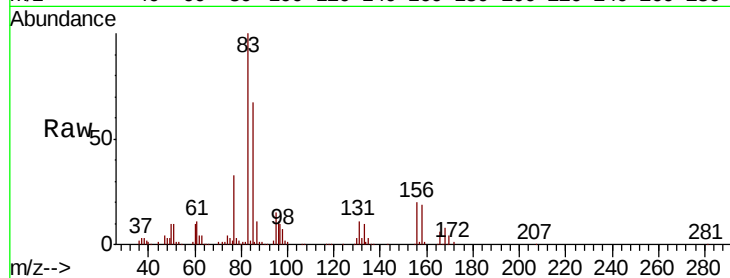
ClientSampled :

VN0822MBS01

Tot Ion:	83	Resp:	175791
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.9
85	65.2	31.9	95.7

Manual Integrations
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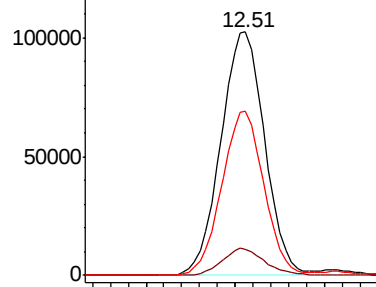
MMDadoda
8/23/2018 10:52:30 AM



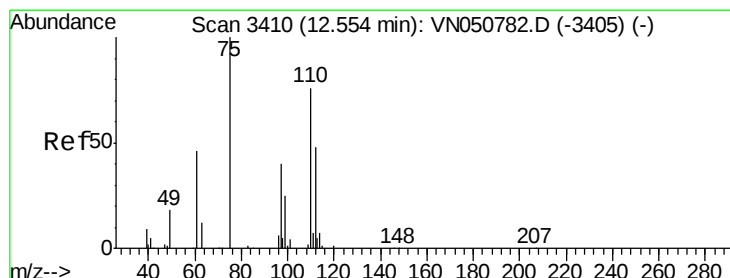
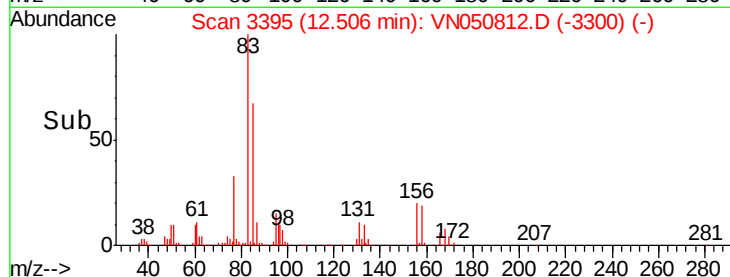
Abundance Ion 82.90 (82.60 to 83.60): VN050812.D (-3394) (-)

Ion 130.80 (130.50 to 131.50): VN050812.D (-3394) (-)

Ion 84.90 (84.60 to 85.60): VN050812.D (-3394) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 22.31 ug/l m

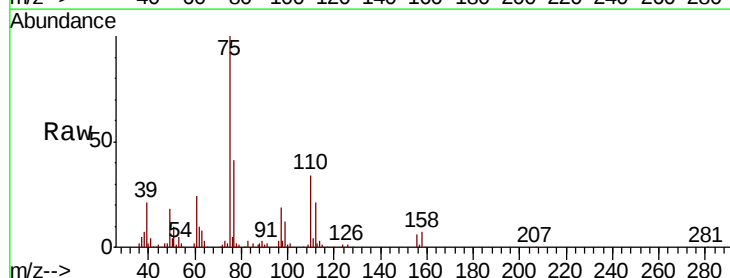
RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN050812.D

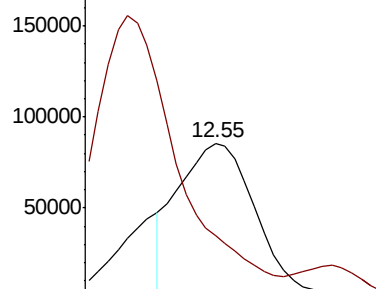
Acq: 22 Aug 2018 12:10

Tgt Ion:	75	Resp:	153831
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

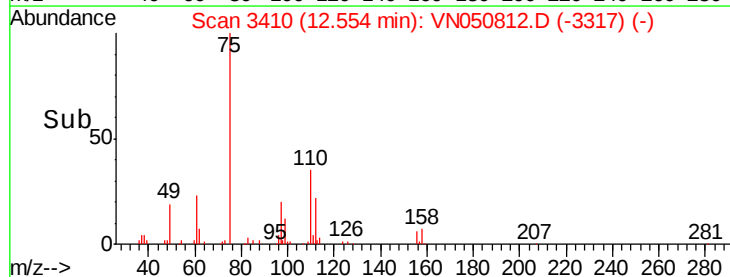


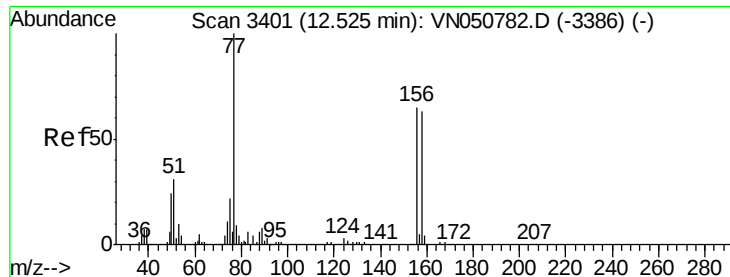
Abundance Ion 74.90 (74.60 to 75.60): VN050812.D (-3410) (-)

Ion 77.00 (76.70 to 77.70): VN050812.D (-3410) (-)



Time-->





#77

Bromobenzene

Concen: 19.90 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

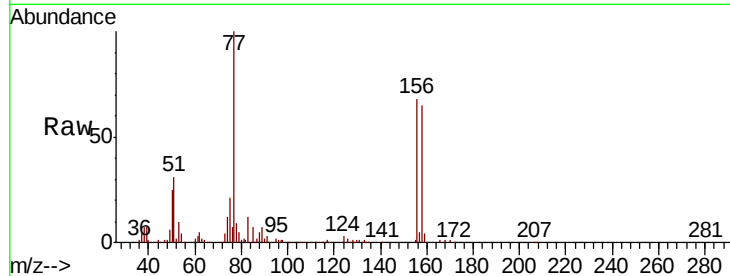
ClientSampleId :

VN0822MBS01

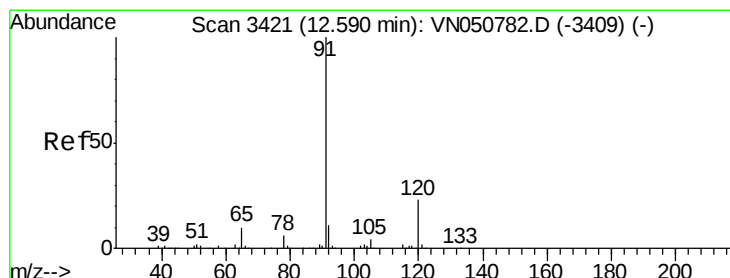
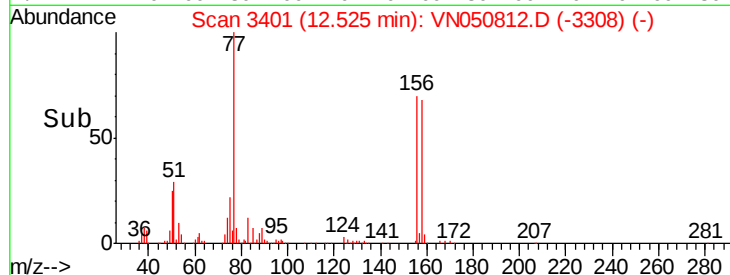
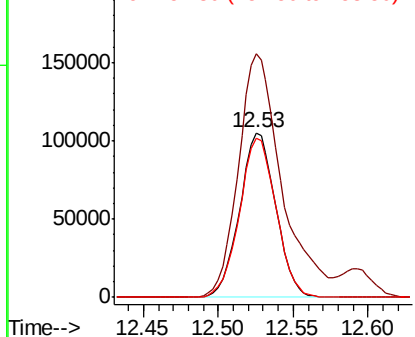
Tot Ion:	156	Resp:	176281
Ion Ratio	Lower	Upper	
156	100		
77	179.0	89.9	269.7
158	98.3	49.3	147.9

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.87 ug/l

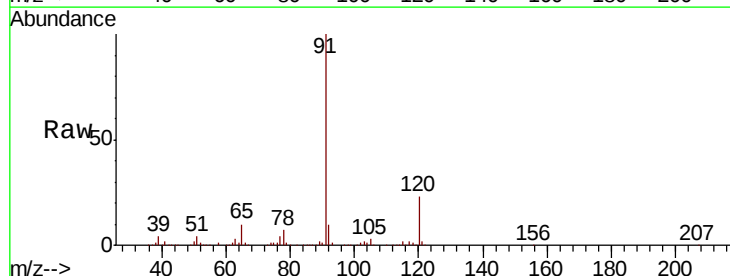
RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

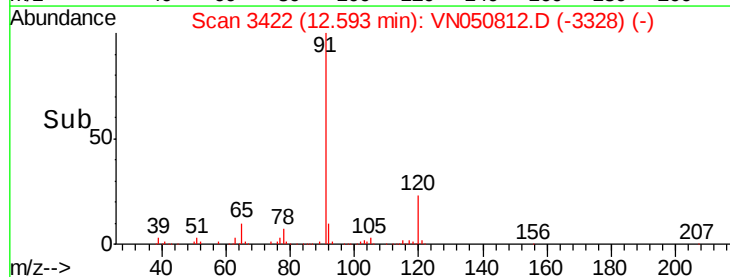
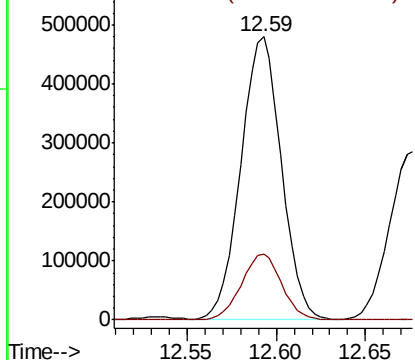
Lab File: VN050812.D

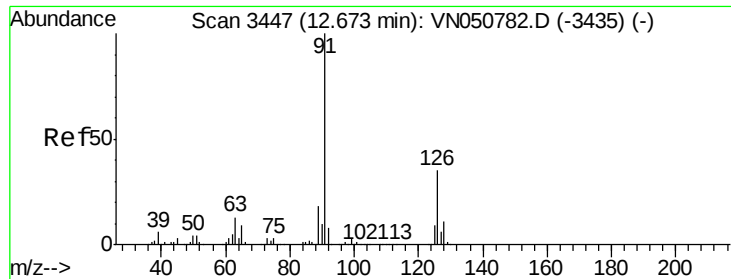
Acq: 22 Aug 2018 12:10

Tgt Ion:	91	Resp:	759755
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.7	35.0



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.45 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampled :

VN0822MBS01

Tot Ion: 91 Resp: 463813

Ion Ratio Lower Upper

91 100

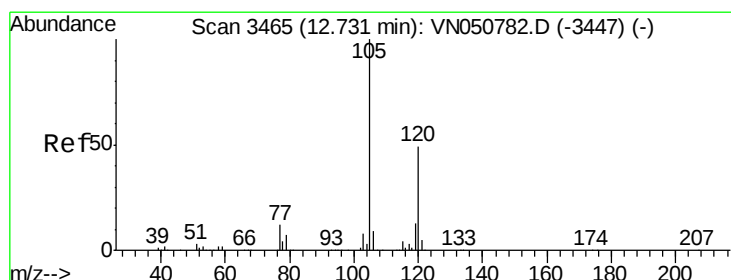
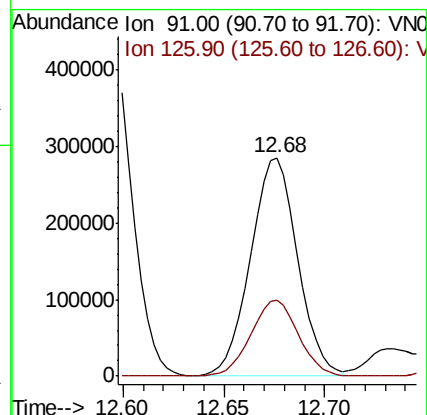
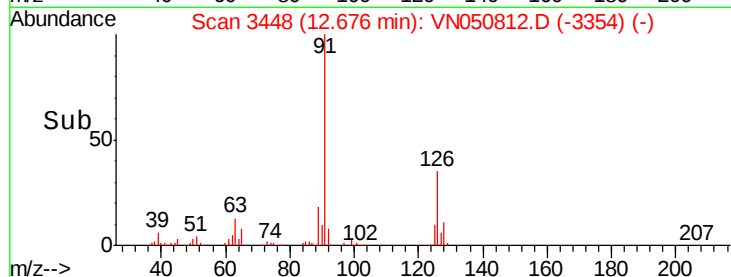
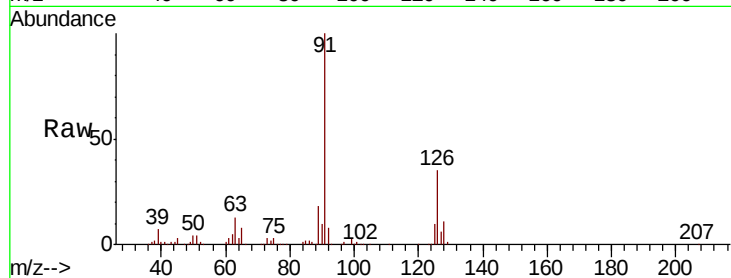
126 35.2 17.8 53.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.39 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050812.D

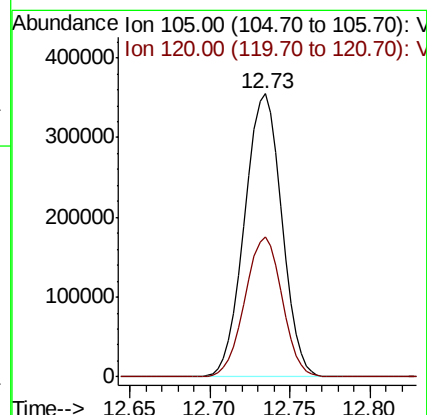
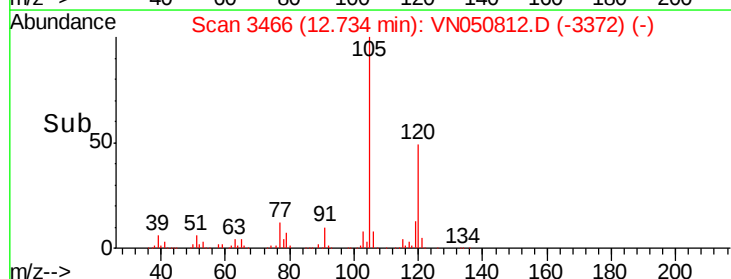
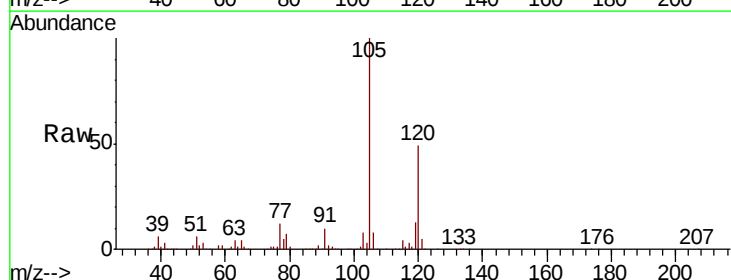
Acq: 22 Aug 2018 12:10

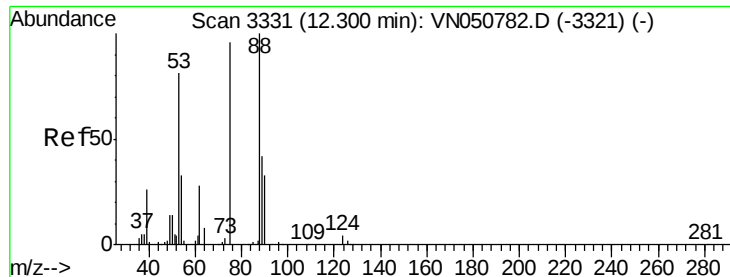
Tgt Ion: 105 Resp: 562501

Ion Ratio Lower Upper

105 100

120 49.5 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.06 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

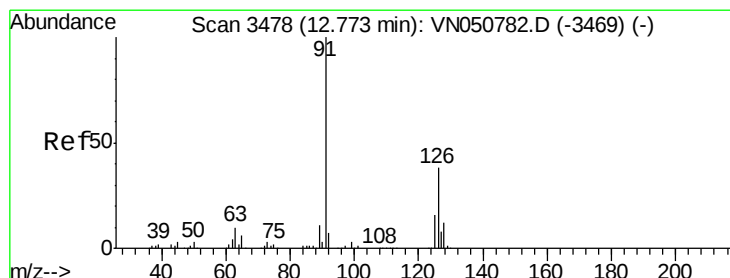
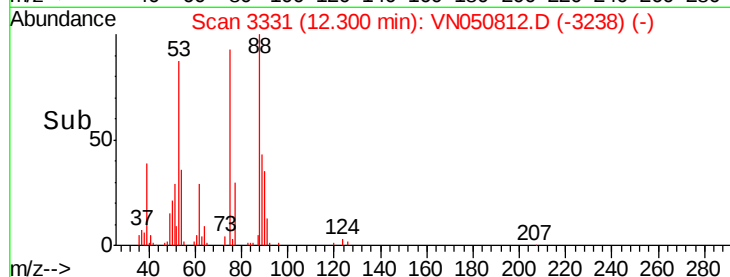
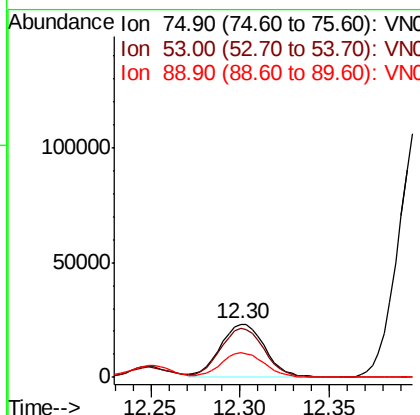
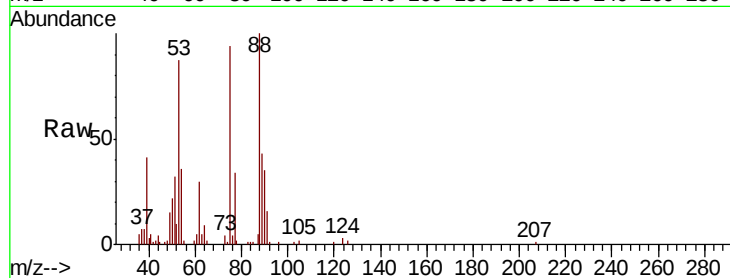
ClientSampled :

VN0822MBS01

Tot Ion:	75	Resp:	40912
Ion Ratio	Lower	Upper	
75	100		
53	90.4	68.9	103.3
89	44.5	36.1	54.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.69 ug/l

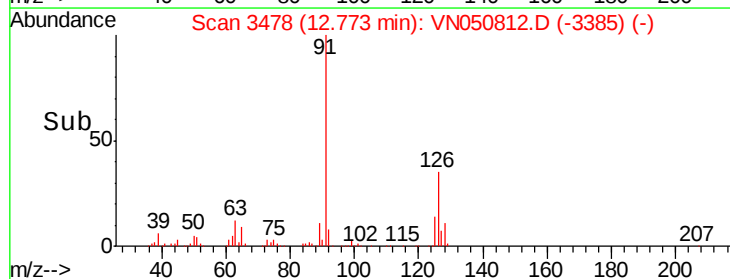
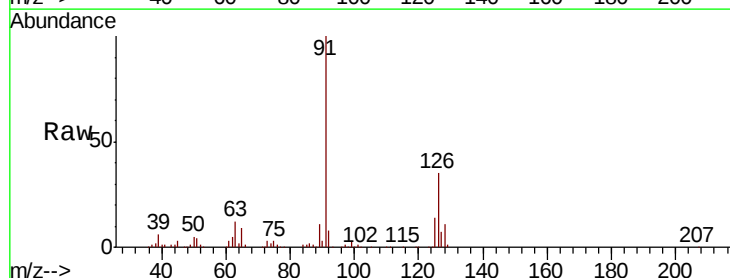
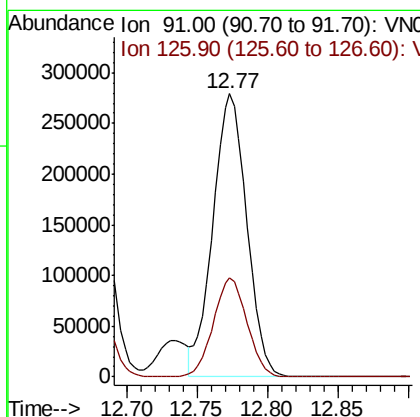
RT: 12.77 min Scan# 3478

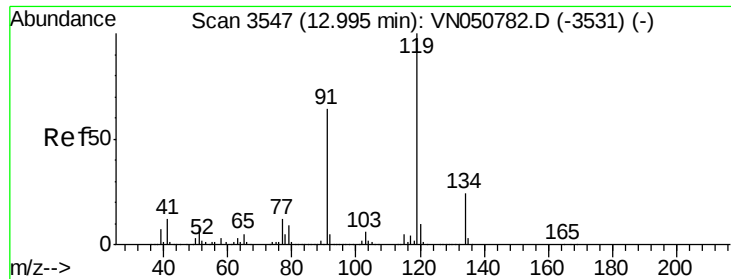
Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Tgt Ion:	91	Resp:	463336
Ion Ratio	Lower	Upper	
91	100		
126	34.8	17.5	52.5





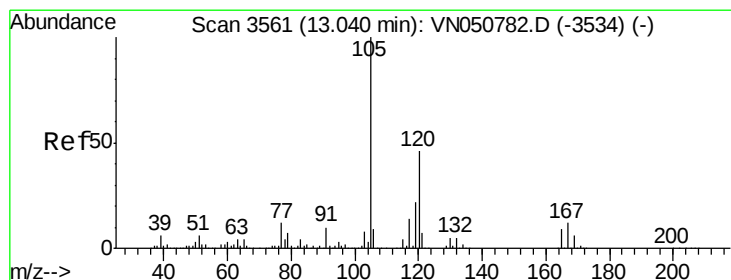
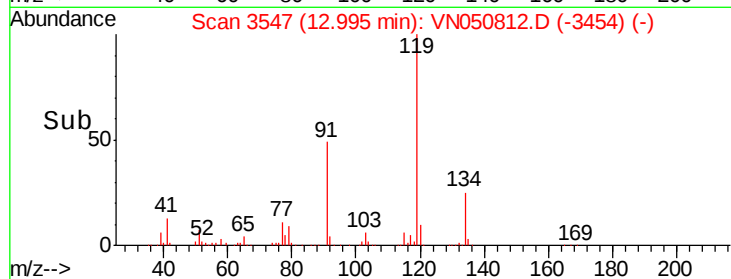
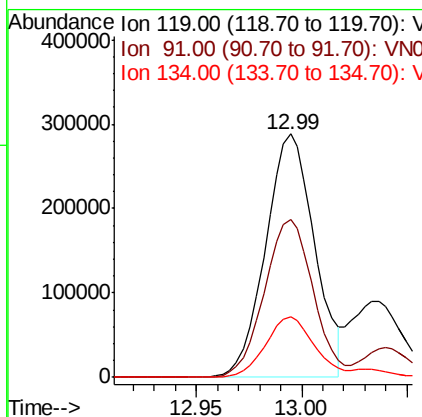
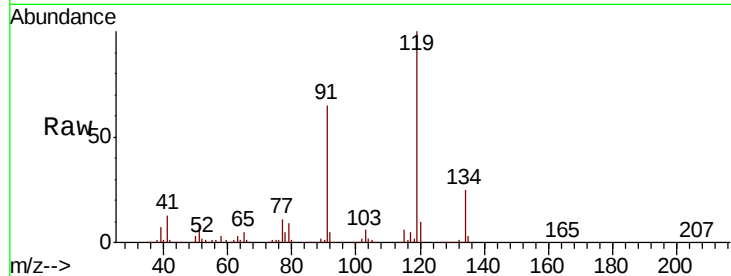
#83
 tert-Butylbenzene
 Concen: 20.40 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050812.D
 Acq: 22 Aug 2018 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	464689		
91	65.1		31.6	94.7
134	25.1		13.4	40.1

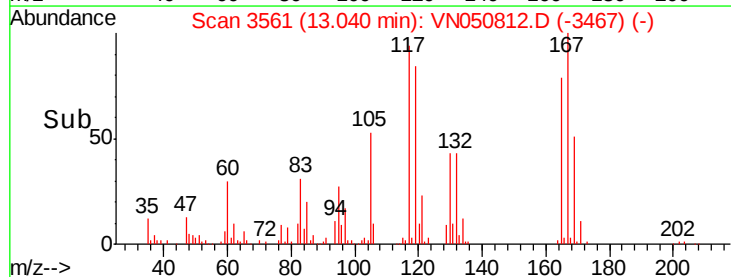
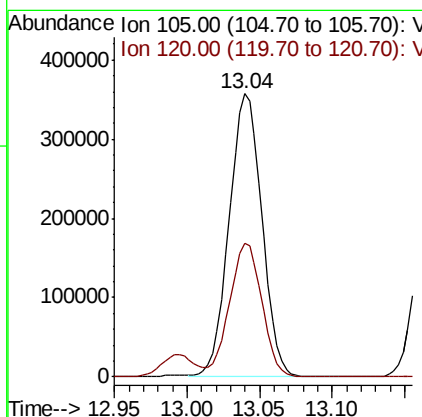
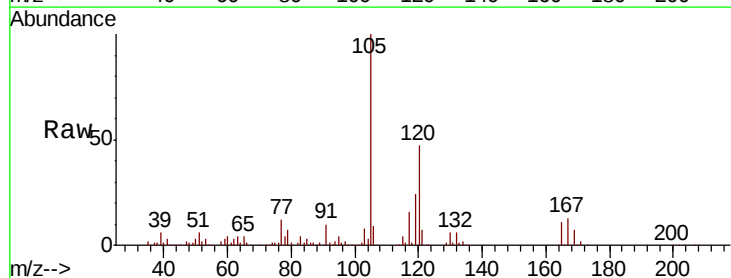
Manual Integrations
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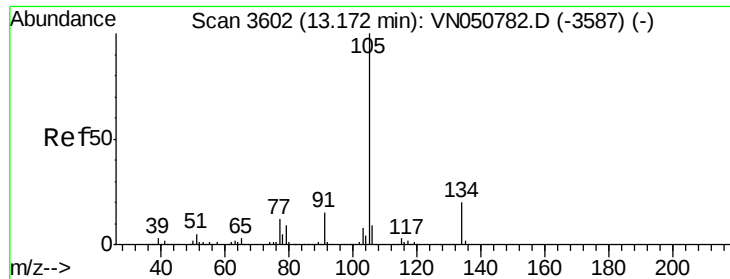
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.16 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050812.D
 Acq: 22 Aug 2018 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	559663		
120	47.0		22.9	68.8





#85

sec-Butylbenzene

Concen: 20.78 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

ClientSampleId :

VN0822MBS01

Tot Ion:105 Resp: 620120

Ion Ratio Lower Upper

105 100

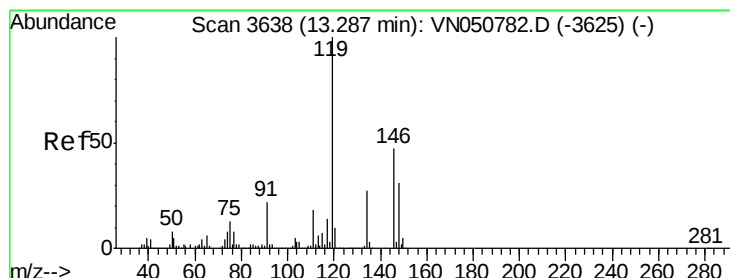
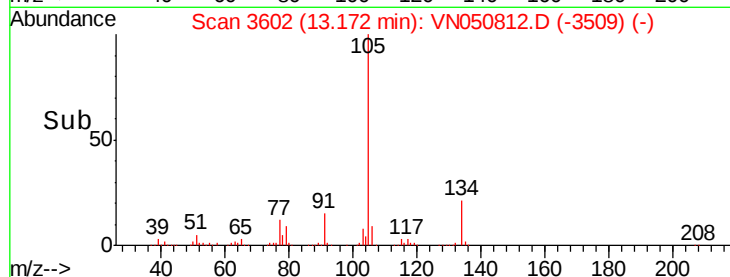
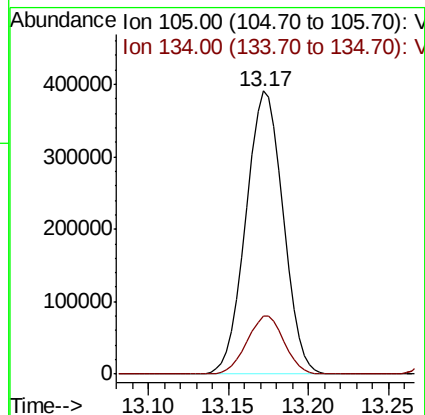
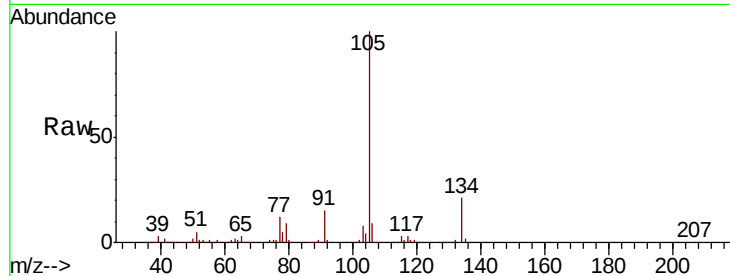
134 20.5 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 21.13 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

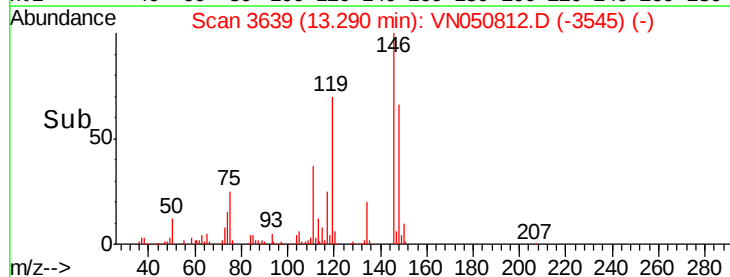
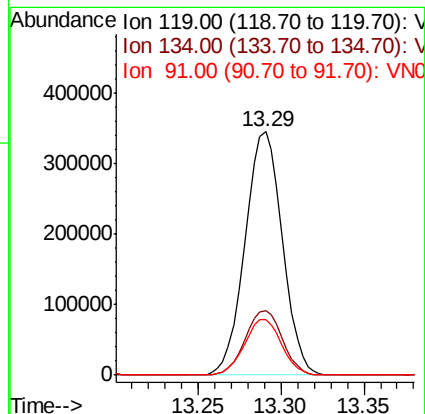
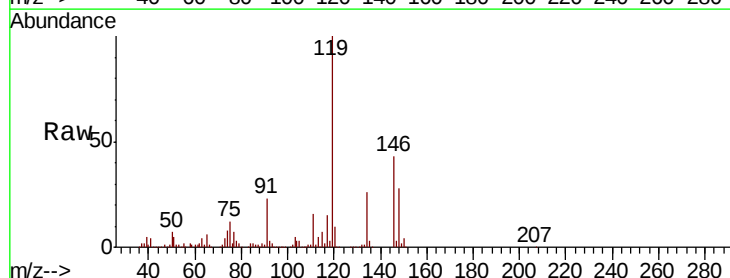
Tgt Ion:119 Resp: 537302

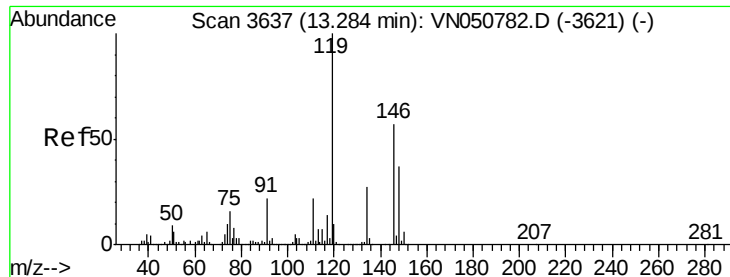
Ion Ratio Lower Upper

119 100

134 26.5 13.7 41.0

91 22.8 11.2 33.5





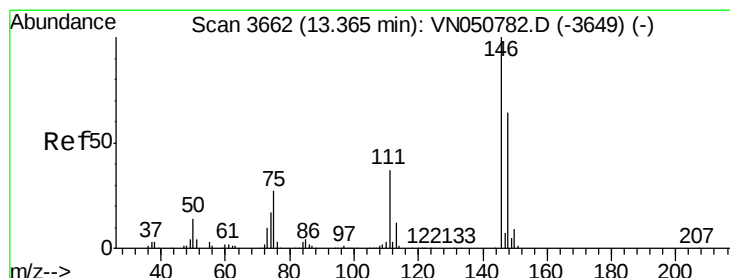
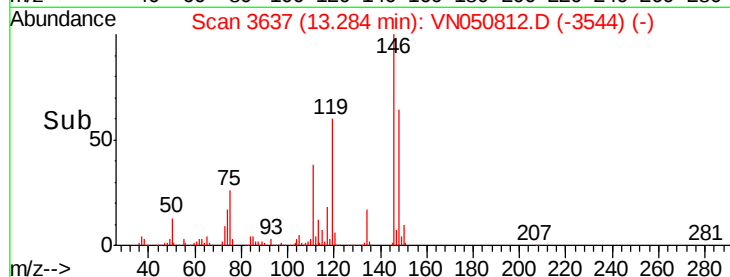
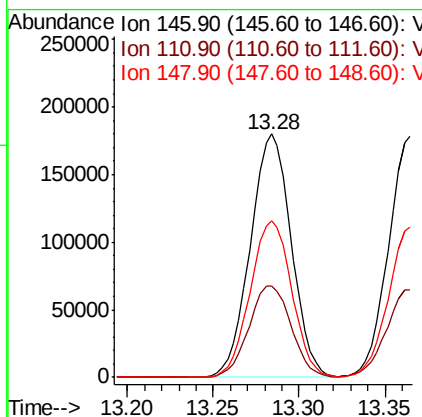
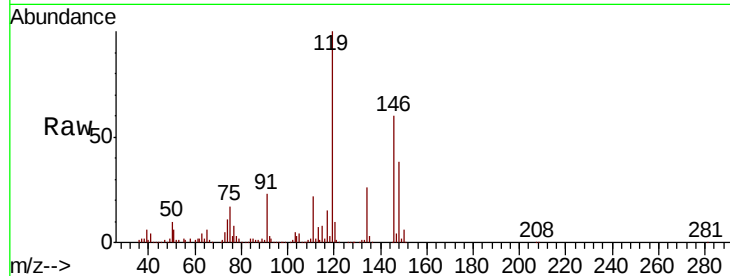
#87
 1,3-Dichlorobenzene
 Concen: 19.76 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050812.D
 Acq: 22 Aug 2018 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	297078		
111	38.8	19.1	57.3	
148	65.3	32.2	96.6	

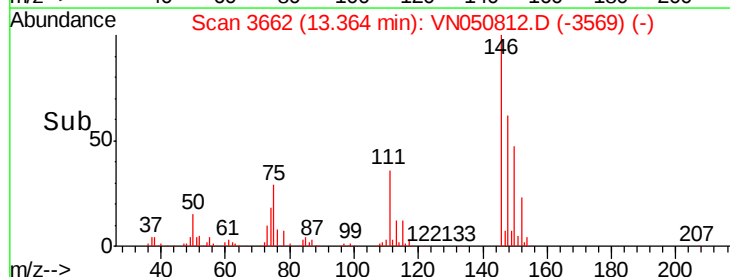
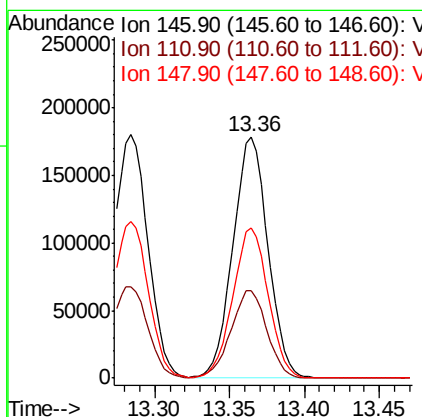
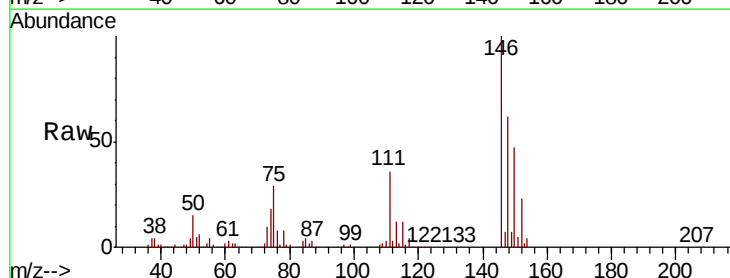
Manual Integrations
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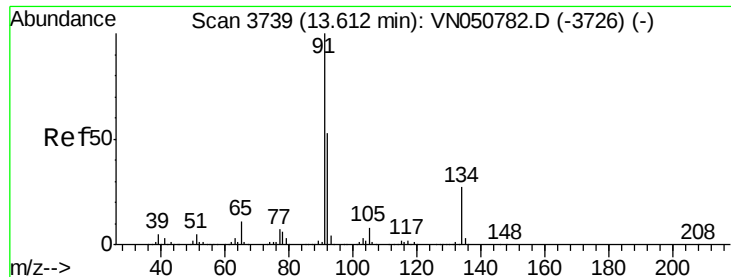
MMDadoda
 8/23/2018 10:52:30 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.70 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050812.D
 Acq: 22 Aug 2018 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	291513		
111	37.3	18.8	56.3	
148	62.7	32.2	96.6	





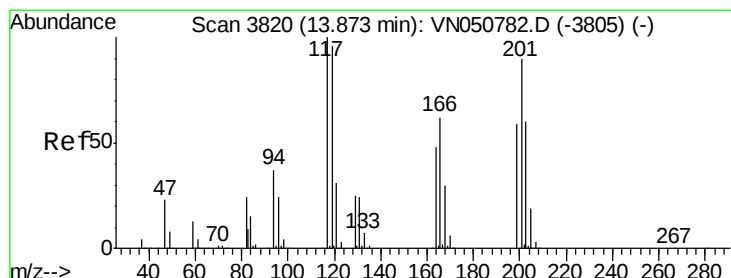
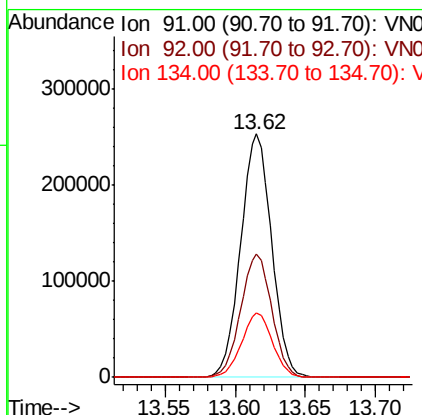
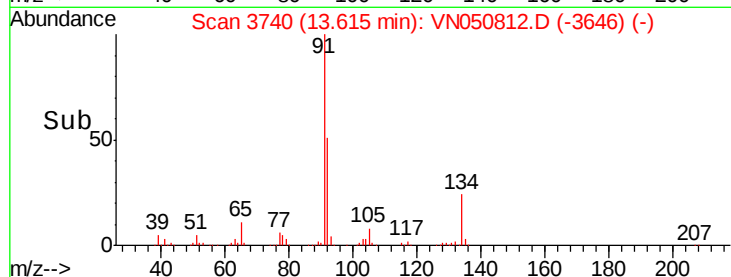
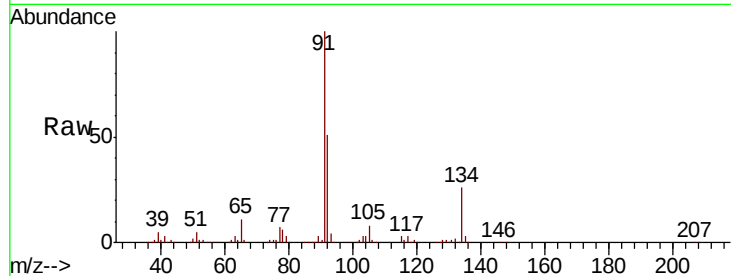
#89
n-Butylbenzene
Concen: 19.21 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Instrument :
MSVOA_N
ClientSampleId :
VN0822MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.6	26.1	78.2
134	26.3	13.2	39.6

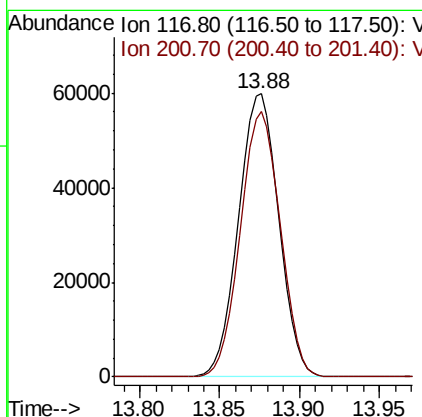
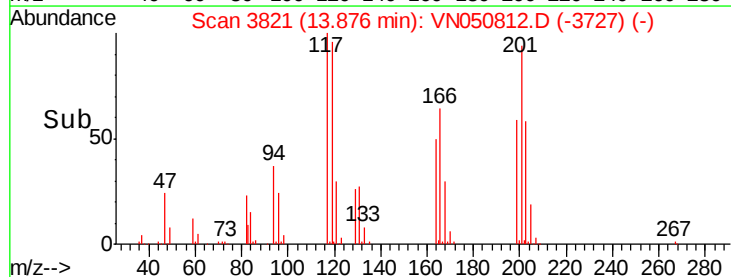
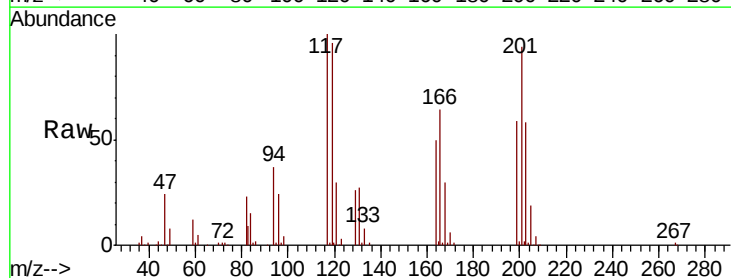
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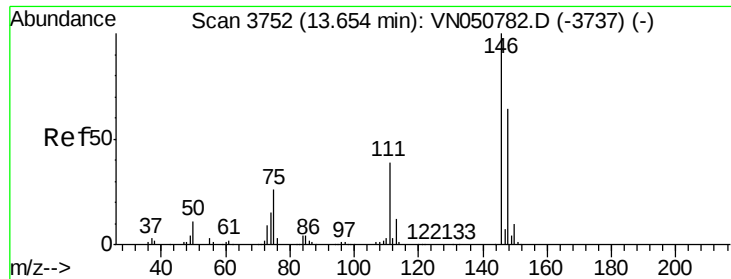
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#90
Hexachloroethane
Concen: 21.28 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050812.D
Acq: 22 Aug 2018 12:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.8	46.0	137.8





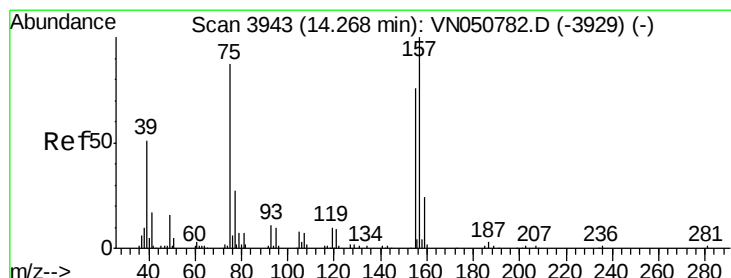
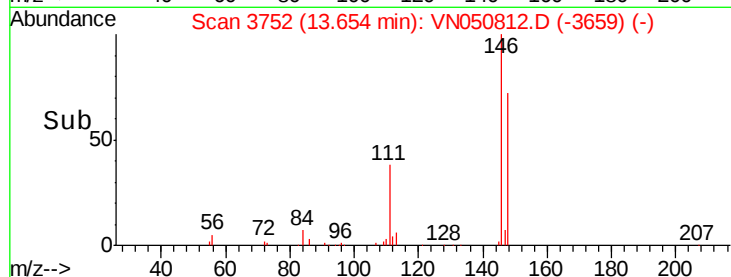
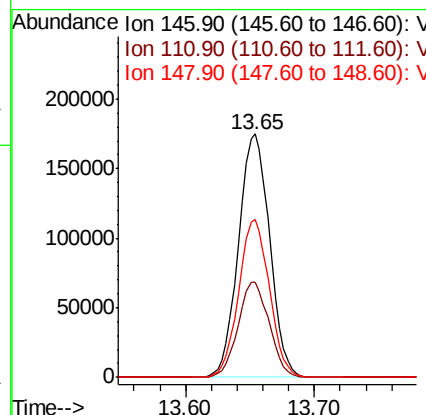
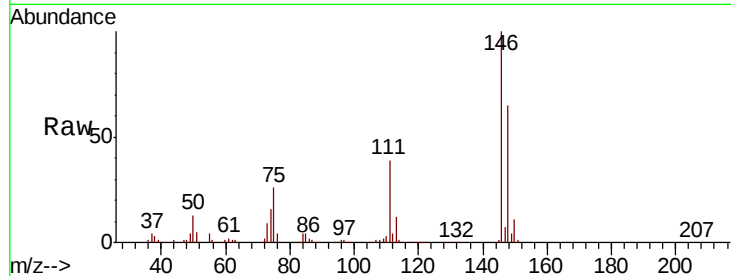
#91
 1,2-Dichlorobenzene
 Concen: 20.25 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050812.D
 Acq: 22 Aug 2018 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	293656		
111	38.9	19.8	59.3	
148	63.9	32.3	96.8	

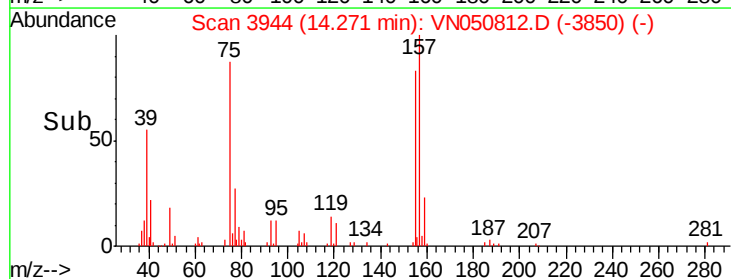
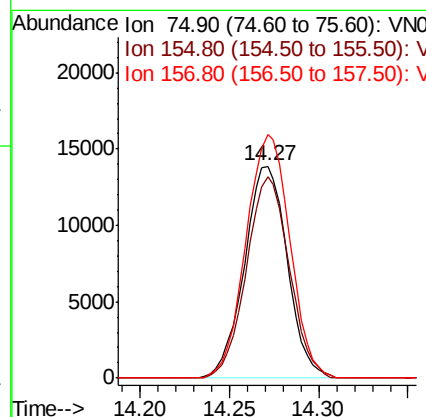
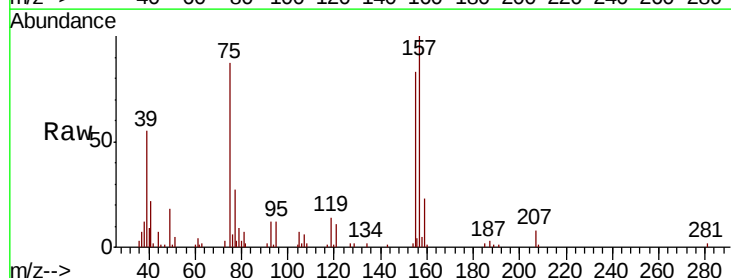
Manual Integrations
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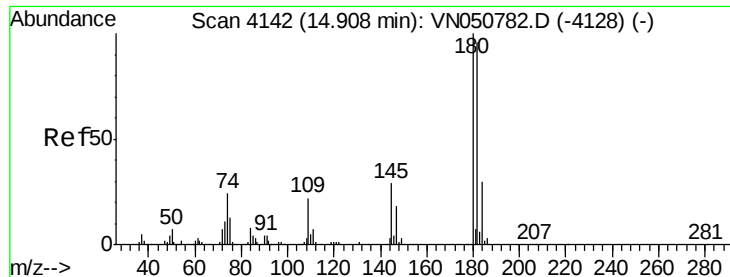
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.95 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050812.D
 Acq: 22 Aug 2018 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	23348		
155	94.4	46.4	139.1	
157	117.5	60.7	182.0	





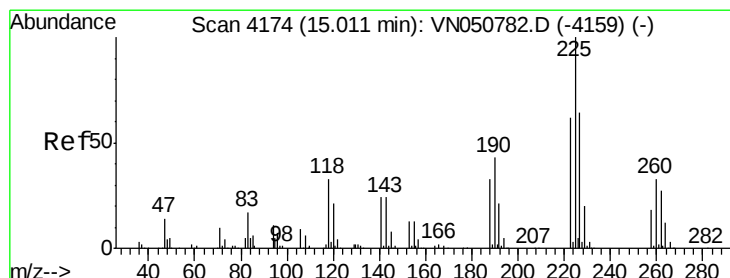
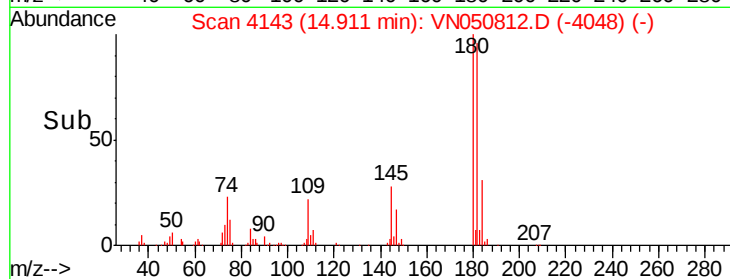
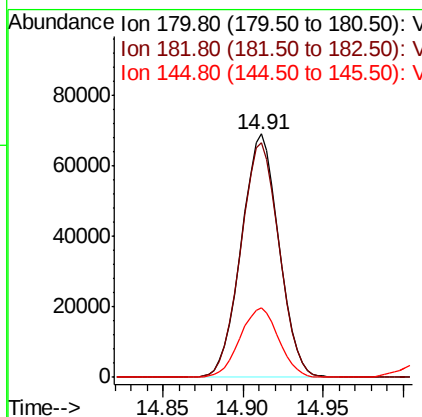
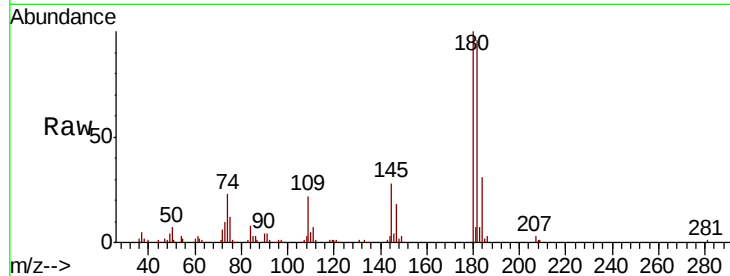
#93
 1,2,4-Trichlorobenzene
 Concen: 17.57 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050812.D
 Acq: 22 Aug 2018 12:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0822MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	110796		
182	98.1	48.2	144.6	
145	29.2	14.1	42.2	

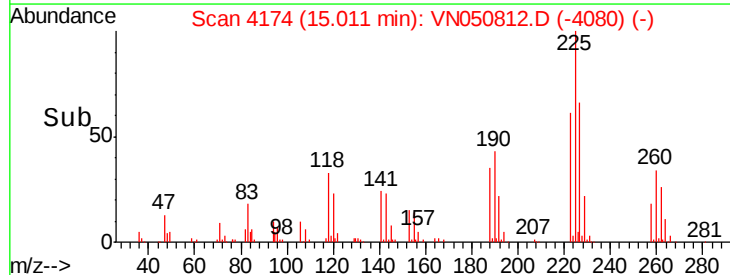
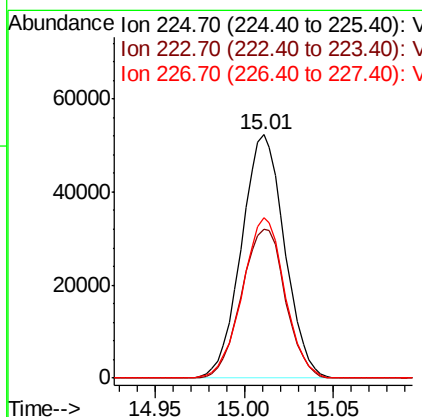
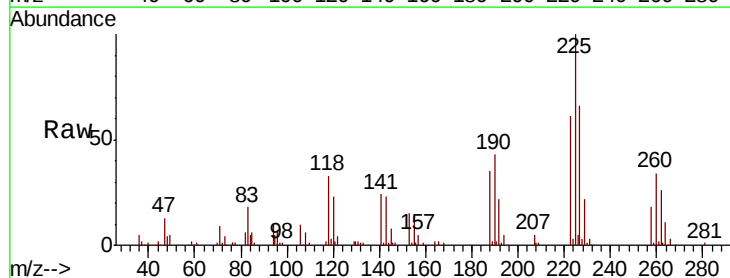
Manual Integrations
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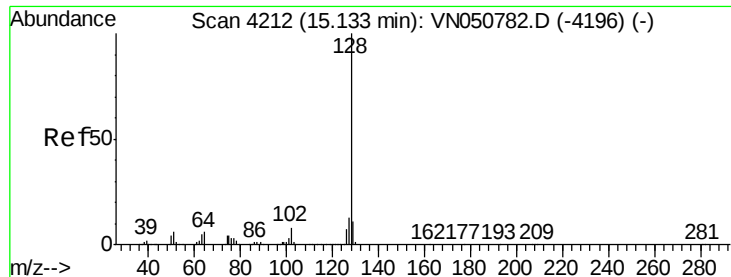
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#94
 Hexachlorobutadiene
 Concen: 19.80 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050812.D
 Acq: 22 Aug 2018 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	88028		
223	62.4	31.3	93.8	
227	64.9	32.0	96.2	





#95

Naphthalene

Concen: 17.35 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Instrument :

MSVOA_N

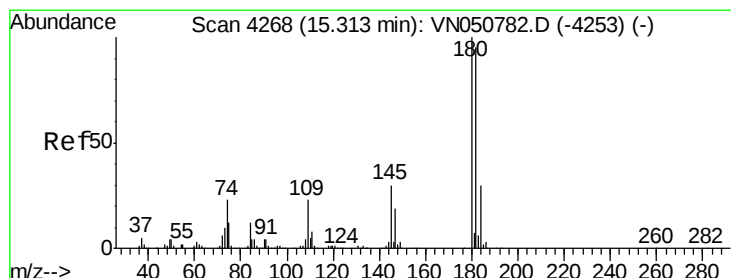
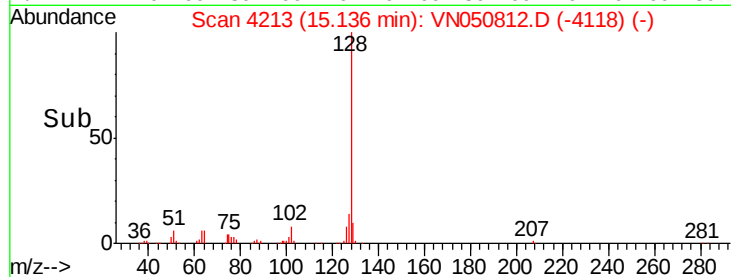
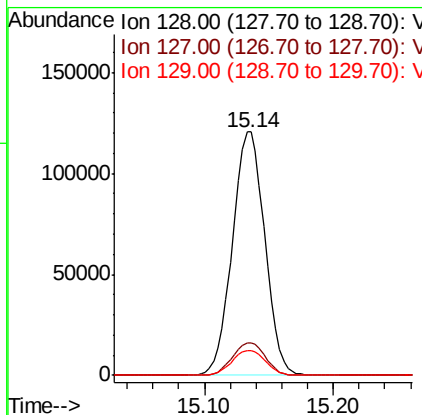
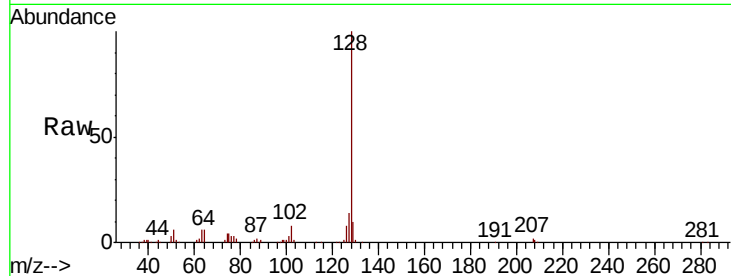
ClientSampleId :

VN0822MBS01

Tot Ion:	128	Resp:	210713
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.5	15.7
129	10.7	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 18.66 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050812.D

Acq: 22 Aug 2018 12:10

Tgt Ion:	180	Resp:	116357
Ion Ratio	Lower	Upper	
180	100		
182	95.8	48.0	144.2
145	29.7	15.2	45.6

